

AGRICULTURAL STATISTICS 1990



United States Department of Agriculture

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UNITED STATES
DEPARTMENT OF AGRICULTURE

**AGRICULTURAL
STATISTICS
1990**



UNITED STATES
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Agricultural Statistics, 1990

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BRENDA V. POWERS was responsible for coordination and technical editorial work.

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Introduction

Agricultural Statistics is published each year to meet the diverse need for a reliable reference book on agricultural production, supplies, consumption, facilities, costs, and returns. Its tables of annual data cover a wide variety of facts in forms suited to most common use.

Inquiries concerning more current or more detailed data, past and prospective revisions, or the statistical methodology used should be addressed directly to the agency credited with preparing the table. Most of the data were prepared or compiled in the U.S. Department of Agriculture.

The historical series in this volume have been generally limited to data beginning with 1974 or later.

Foreign agricultural trade statistics include Government as well as non-Government shipments of merchandise from the United States and Territories to foreign countries. They do not include U.S. shipments to the U.S. Armed Forces abroad for their own use or shipments between the States and U.S. Territories. The world summaries of production and trade of major farm products are prepared by the U.S. Department of Agriculture from reports of the U.S. Department of Commerce, official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, and the result of office research.

Statistics presented in many of the tables represent actual counts of the items covered. Most of the statistics relating to foreign trade and to Government programs, such as numbers and amounts of loans made to farmers, and amounts of loans made by the Commodity Credit Corporation, etc., are data of this type. A large number of other tables, however, contain data that are estimates made by the Department of Agriculture.

The estimates for crops, livestock, and poultry made by the U.S. Department of Agriculture are prepared mainly to give timely current State and national totals and averages. They are based on data obtained by sample surveys of farmers and of people who do business with farmers. The survey data are supplemented by information from the Censuses of Agriculture taken every 5 years and check data from various sources. Being estimates, they are subject to revision as more data become available from commercial or Government sources. Unless otherwise indicated, the totals for the United States shown in the various tables on area, production, numbers, price, value, supplies, and disposition are based on official Department estimates. They exclude States for which no official estimates are compiled.

DEFINITIONS

"Value of production" as applied to crops in the various tables, is derived by multiplying production by the estimated season average price received by farmers for that portion of the commodity actually sold. In the case of fruits and vegetables, quantities not harvested because of low prices or other economic factors are not included in value of production. The word "Value" is used in the inventory tables on livestock and poultry to mean value of the number of head on the inventory date. It is derived by multiplying the number of head by an estimated value per head as of the date.

The word "Year" (alone) in a column heading means calendar year unless otherwise indicated. "Ton" when used in this book without qualifications means a short ton of 2,000 pounds.

WEIGHTS, MEASURES, AND CONVERSION FACTORS

The following table on weights, measures, and conversion factors covers the most important agricultural products, or the products for which such information is most frequently asked of the U.S. Department of Agriculture. It does not cover all farm products nor all containers for any one product.

The information has been assembled from State schedules of legal weights, various sources within the U.S. Department of Agriculture, and other Government agencies. For most products, particularly fruits and vegetables, there is a considerable variation in weight per unit of volume due to differences in variety or size of commodity, condition and tightness of pack, degree to which the container is heaped, etc. Effort has been made to select the most representative and fairest average for each product. For those commodities which develop considerable shrinkage, the point of origin weight or weight at harvest has been used.

The approximate or average weights as given in this table do not necessarily have official standing as a basis for packing or as grounds for settling disputes. Not all of them are recognized as legal weight. The table was prepared chiefly for use of workers in the U.S. Department of Agriculture who have need of conversion factors in statistical computations.

WEIGHTS, MEASURES, AND CONVERSION FACTORS
(See explanatory text just preceding this table)

WEIGHTS AND MEASURES

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
Alfalfa seed	Bushel.....	60	27.2	Cherries.....	{ Lug (Campbell) ¹²	16	7.3
	{ ..do.....	48	21.8		{ Lug.....	20	9.1
Apples.....	{ Northwest box ²	44	20.0	Clover seed	Bushel.....	60	27.2
	{ Fiberboard box, cell pack.....	37-44	16.8-20.0	Coffee.....	Bag.....	132.3	60
Apricots.....	Lug (brentwood) ³	24	10.9	Corn:			
Western.....	4-basket crate ⁴	26	11.8	Ear, husked.....	Bushel.....	¹³ 70	31.8
Artichokes:				Shelled.....	do.....	56	25.4
Globe.....	1/4-box.....	20	9.1	Meal.....	do.....	50	22.7
Jerusalem.....	Bushel.....	50	22.7	Oil.....	Gallon.....	¹⁰ 7.7	3.5
Asparagus.....	Crate.....	30	13.6	Sirup.....	do.....	11.72	5.3
Avocados.....	Lug ⁵	12-15	5.4-6.8	Sweet.....	{ Mesh or paper bag.....	45-50	20.4-22.7
Bananas.....	Fiber folding box ⁶	40	18.1		{ Wirebound crate.....	40-60	18.1-27.2
Barley.....	Bushel.....	48	21.8	Cotton.....	{ Bale, gross.....	¹⁴ 500	227
Beans:					{ Bale, net.....	¹⁴ 480	218
Lima, dry.....	do.....	56	25.4	Cottonseed.....	Bushel.....	¹⁵ 32	14.5
Other, dry.....	{ do.....	60	27.2	Cottonseed oil.....	Gallon.....	¹⁰ 7.7	3.5
	{ Sack.....	100	45.4	Cowpeas.....	Bushel.....	60	27.2
Lima, unshelled.....	Bushel.....	28-32	12.7-14.5	Cranberries.....	{ Barrel.....	100	45.4
Snap.....	do.....	28-32	12.7-14.5		{ 1/4-bbl. box ¹⁶	25	11.3
Beets:				Cream, 40-percent butterfat.....	Gallon.....	8.38	3.80
Without tops.....	do.....	50	22.7	Cucumbers.....	Bushel.....	48	21.8
Bunched.....	Wirebound crate.....	45	20.4	Dewberries.....	24-qt. crate.....	36	16.3
Berries frozen pack:				Eggplant.....	Bushel.....	33	15.0
Without sugar.....	50-gal. barrel.....	380	172	Eggs, average size.....	Case, 30 dozen.....	47.0	21.3
3 + 1 pack.....	do.....	425	193	Escarole.....	Bushel.....	25	11.3
2 + 1 pack.....	do.....	450	204	Figs, fresh.....	Box single layer ¹⁷	6	2.7
Blackberries.....	24-qt. crate.....	36	16.3	Flaxseed.....	Bushel.....	56	25.4
Bluegrass seed.....	Bushel.....	14-30	6.4-13.6	Flour, various.....	Bag.....	100	45.4
Broccoli.....	Wirebound crate.....	20-25	9.1-11.3	Grapefruit:			
Broomcorn (6 bales per ton).....	Bale.....	333	151	Florida and Texas.....	1/2-box mesh bag.....	40	18.1
Broomcorn seed.....	Bushel.....	44-50	20.0-22.7	Florida.....	1 3/4 bu. box.....	85	38.6
Brussels sprouts.....	Drums.....	25	11.3	Texas.....	1 3/4 bu. box.....	80	36.3
Buckwheat.....	Bushel.....	48	21.8	California Desert			
Butter.....	Box.....	64	29.0	Valleys and Arizona.....	{ Box ¹⁸	¹⁸ 64	29.0
	{ Open mesh bag.....	50	22.7		{ Carton ²⁰	32	14.5
Cabbage.....	{ Wirebound crate ⁷	50	22.7	California other than Desert			
	{ Western crate ⁸	80	36.3	Valleys.....	{ Box ¹⁸	67	30.4
Cantaloups.....	Jumbo crate ⁹	83	37.6		{ Carton ²⁰	33 1/2	15.2
Carrots:				Grapes:			
Without tops.....	Bushel.....	50	22.7	Eastern.....	{ 4-qt. climax basket.....	6	2.7
	{ Open mesh bag.....	50	22.7		{ 12-qt. basket.....	18-20	8.2-9.1
Castor beans.....	Bushel.....	41	18.6		{ Lug ²¹	28	12.7
Castor oil.....	Gallon.....	¹⁰ 8	3.6	Western.....	{ 4-basket crate ²²	20	9.1
	{ W.G.A. crate.....	50-60	22.7-27.2		{ Bushel.....	44	20.0
	{ Fiberboard box wrapper leaves removed film-wrapped, 2 layers.....	23-35	10.4-15.9	Hempseed.....	do.....	50	22.7
Cauliflower.....	{ ..do.....	60	27.2	Honey.....	Gallon.....	11.84	5.4
Celery.....	Crate ¹¹			Honeydew melons.....	Jumbo crate ²³	44	20.0
				Hops.....	Bale, gross.....	200	90.7

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
Horseradish	{ Bushel.....	35	15.9	Pears:			
roots.....	{ Barrel.....	100	45.4	California.....	Bushel.....	48	21.8
Hungarian				Other.....	do.....	50	22.7
millet seed.....	Bushel.....	48 and 50	21.8-22.7	Western.....	Box ²⁷	46	20.9
Kale.....	do.....	18	8.2	Peas:			
Kapok seed.....	do.....	35-40	15.9-18.1	Green,			
Lard.....	Tierce.....	375	170	unshelled.....	Bushel.....	28-30	12.7-13.6
Lemons:				Dry.....	do.....	60	27.2
California and	{ Box ²⁴	19 76	34.5		do.....	25-30	11.3-13.6
Arizona.....	{ Carton ²⁰	38	17.2	Peppers, green.....	{ Fiberboard		
Lentils.....	Bushel.....	60	27.2		carton.....	30-34	13.6-15.4
Lettuce.....	Fiberboard			Perilla seed.....	Bushel.....	37-40	16.8-18.1
box, carton.....	box, carton.....	38-55	17.2-24.9	Pineapples.....	Crate ²⁸	70	31.8
Lettuce, hot-				Plums and			
house.....	24-qt. basket.....	10	4.5	prunes:			
Limes (Florida).....	Box.....	88	36.3	California.....	4-basket		
Linseed oil.....	Gallon.....	10 7.7	3.5		crate ²⁹	28-34	12.7-15.4
Malt.....	Bushel.....	34	15.4	Other.....	½-bu. basket.....	28	12.7
Maple syrup.....	Gallon.....	11.02	5.00	Popcorn:			
Meadow fescue				On ear.....	Bushel.....	19 70	31.8
seed.....	Bushel.....	24	10.9	Shelled.....	do.....	56	25.4
Milk.....	Gallon.....	8.6	3.90	Poppy seed.....	do.....	46	20.9
Millet.....	Bushel.....	48-60	21.8-22.7		{ Bushel.....	60	27.2
Molasses, edible.....	Gallon.....	11.74	5.3	Potatoes.....	{ Barrel.....	165	74.8
Molasses,					{ Bag.....	50	22.7
inedible.....	do.....	11.74	5.3		do.....	100	45.4
Mustard seed.....	Bushel.....	58-60	26.3-27.2	Quinces.....	Bushel.....	48	21.8
Oats.....	do.....	32	14.5	Rapeseed.....	do.....	50 and 60	22.7-27.2
Olives.....	Lug ²¹	25-30	11.3-13.6	Raspberries.....	24-qt. crate.....	36	16.3
Olive oil.....	Gallon.....	10 7.6	3.5	Redtop seed.....	do.....	50 and 60	22.7-27.2
Onions, dry.....	Sack.....	50	22.7	Refiners' syrup.....	Gallon.....	11.45	5.2
Onions, green				Rice:			
bunched.....	Crate.....	60-65	27.2-29.5	Rough.....	{ Bushel.....	45	20.4
Onion sets.....	Bushel.....	28-32	12.7-14.5		{ Bag.....	100	45.4
Oranges:				Milled.....	{ Barrel.....	162	73.5
Florida and	{ ½-box mesh			Rosin.....	Pocket or bag.....	100	45.4
Texas.....	{ bag.....	45	20.4	Rutabagas.....	Drum, net.....	520	236
	{ Box ²⁸	90	40.8	Rye.....	Bushel.....	56	25.4
California and	{ Box ¹⁸	19 75	34.0	Sesame seed.....	do.....	46	20.9
Arizona.....	{ Carton ²⁰	37½	17.0	Shallots.....	{ Crate (4-7		
Orchardgrass					doz.....	20-35	9.1-15.9
seed.....	Bushel.....	14	6.4	Sorgo:			
Palm oil.....	Gallon.....	10 7.7	3.5	Seed.....	Bushel.....	50	22.7
Parsnips.....	Bushel.....	50	22.7	Syrup.....	Gallon.....	11.55	5.2
	{ do.....	48	21.8	Sorghum			
Peaches.....	{ Lug box ²¹	20	9.1	grain ³⁰	Bushel.....	56	25.4
	California			Soybeans.....	do.....	60	27.2
	fruit box.....	26 18	8.2	Soybean oil.....	Gallon.....	10 7.7	3.5
Peanut oil.....	Gallon.....	10 7.7	3.5	Spelt.....	Bushel.....	40	18.1
Peanuts,				Spinach.....	do.....	18-20	8.2-9.1
unshelled:				Strawberries.....	{ 24-qt. crate.....	36	16.3
Virginia type.....	Bushel.....	17	7.7		{ 12-pt. crate.....	9-11	4.1-5.0
Runners,				Sudangrass seed.....	Bushel.....	40	18.1
Southeast-				Sugarcane:			
ern.....	do.....	21	9.5	Syrup			
Spanish:				(sulfured or	Gallon.....	11.45	5.2
Southeast-				unsulfured).....	Bushel.....	24 and 32	10.9-14.5
ern.....	do.....	25	11.3	Sunflower seed.....	{ do.....	51 55	24.9
Southwest-				Sweetpotatoes.....	{ Crate.....	50	22.7
ern.....	do.....	25	11.3	Tangerines,			
				Florida.....	½-bu. box.....	47½	21.5

See footnotes on page IX.

WEIGHTS AND MEASURES—Continued

Commodity	Unit ¹	Approximate net weight		Commodity	Unit ¹	Approximate net weight	
		U.S.	Metric			U.S.	Metric
		<i>Pounds</i>	<i>Kilo-grams</i>			<i>Pounds</i>	<i>Kilo-grams</i>
Timothy seed	Bushel	45	20.4	Tung oil	Gallon	10 7.8	3.5
Tobacco:				Turnips:			
Maryland	Hogshead	775	352	Without tops	Mesh sack	50	22.7
Flue-cured .....	.....do	950	431	Bunched	Crate ²	70-80	31.8-36.3
Burley .....	.....do	975	442	Turpentine	Gallon	7.23	3.3
Dark air-cured ..	.....do	1,150	522	Velvetbeans			
Virginia fire-				(hulled)	Bushel	60	27.2
cured .....	.....do	1,350	612	Vetch .....	.....do	60	27.2
Kentucky and				Walnuts .....	.....do	50	22.7
Tennessee				Water 60° F	Gallon	8.33	3.8
fire-cured .....	.....do	1,500	680	Watermelons	Melons of		
Cigar-leaf	{ Case	250-365	113-166		average or		
	{ Bale	150-175	68.0-79.4		medium size	25	11.3
	Crate	60	27.2	Wheat	Bushel	60	27.2
Tomatoes	Lug box ²¹	32	14.5	Various	{ Short ton	2,000	907
	2-layer flat	21	9.5	commodities	{ Long ton	2,240	1,016
Tomatoes,					{ Metric ton	2,204.6	1,000
hothouse	12-qt. basket	20	9.1				

See footnotes on page IX.

To Convert From Avoirdupois Pounds

To	Multiply by
Kilograms	0.45359237
Metric tons	0.00045359237

Conversion Factors

- 1 Metric ton = 2,204.622 pounds
- 1 Kilogram = 2.2046 pounds
- 1 Acre = 0.4047 hectares
- 1 Hectare = 2.47 acres
- 1 Square mile = 640 acres = 259 hectares
- 1 Gallon = 3.7853 liters

CONVERSION FACTORS

Commodity	Unit	Approximate equivalent
Apples	1 pound dried	7 pounds fresh; beginning 1943, 8 pounds fresh
Do	1 pound chops	5 pounds fresh
Do	1 case canned ³²	1.4 bushels fresh
Applesauce	1 case canned ³²	1.2 bushels fresh
Apricots	1 pound dried	6 pounds fresh
Barley flour	100 pounds	4.59 bushels barley
Beans, lima	1 pound shelled	2 pounds unshelled
Beans, snap or wax	1 case canned ³³	0.008 ton fresh
Buckwheat flour	100 pounds	3.47 bushels buckwheat
Calves	1 pound live weight	0.557 pound dressed weight (1954-63 average)
Cattle	100 pounds	0.561 pound dressed weight (1954-63 average)
Cane syrup	1 gallon	5 pounds sugar
Cherries, tart	1 case canned ³²	0.023 ton fresh
Chickens	1 pound live weight	0.72 pound ready-to-cook weight
Corn, shelled	1 bushel (56 lbs.)	2 bushels (70 pounds) of husked ear corn
Corn, sweet	1 case canned ³³	0.030 ton fresh
Cornmeal:		
Degermed	100 pounds	3.16 bushels corn, beginning 1946
Nondegermed	100 pounds	2 bushels corn, beginning 1946
Cotton	1 pound ginned	3.26 pounds seed cotton, including trash ³⁴
Cottonseed meal	1 pound	2.10 pounds cottonseed
Cottonseed oil	1 pound	5.88 pounds cottonseed
Dairy products:		
Butter	1 pound	21.1 pounds milk
Cheese	1 pound	10 pounds milk
Condensed milk, whole	1 pound	2.3 pounds milk
Dry cream	1 pound	19 pounds milk
Dry milk, whole	1 pound	7.6 pounds milk
Evaporated milk, whole	1 pound	2.14 pounds milk
Malted milk	1 pound	2.6 pounds milk
Nonfat dry milk	1 pound	11 pounds liquid skim milk
Ice cream ³⁵	1 gallon	15 pounds milk
Ice cream ³⁵ (eliminating fat from butter and concentrated milk)	1 gallon	12 pounds milk
Eggs	1 case	47 pounds
Eggs, shell	1 case	39.5 pounds frozen or liquid whole eggs
Do	1 case	10.3 pounds dried whole eggs
Figs	1 pound dried	3 pounds fresh in California; 4 pounds fresh elsewhere
Flaxseed	1 bushel	About 2½ gallons oil
Grapefruit, Florida	1 case canned juice ³³	0.64 box fresh fruit
Hogs	1 pound live weight	0.579 pound dressed weight, excluding lard (1954-63 average)
Linseed meal	1 pound	1.51 pounds flaxseed
Linseed oil	1 pound	2.77 pounds flaxseed
Malt	1 bushel (34 lbs.)	1 bushel barley (48 lbs.)
Maple syrup	1 gallon	8 pounds maple sugar
Nuts:		
Almonds, imported	1 pound shelled	3½ pounds unshelled
Almonds, California	1 pound	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil	1 pound	2 pounds unshelled
Cashews	1 pound	4.55 pounds unshelled
Chestnuts	1 pound	1.19 pounds unshelled
Filberts	1 pound	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling	1 pound	2.78 pounds unshelled
Improved	1 pound	2.50 pounds unshelled
Pignolias	1 pound	1.3 pounds unshelled
Pistachios	1 pound	2 pounds unshelled
Walnuts:		
Black	1 pound	5.88 pounds unshelled
Persian (English)	1 pound	2.67 pounds unshelled
Oatmeal	100 pounds	7.6 bushels oats, beginning 1943
Oranges, Florida	1 case canned juice ³³	0.53 box fresh
Peaches, California, freestone	1 pound dried	5½ pounds fresh through 1918; 6 pounds fresh for 1919-28; and 6½ pounds fresh from 1929 to date
Peaches, California, clingstone	1 pound	7½ pounds fresh
Peaches, clingstone	1 case canned ³²	1 bushel fresh
Do	1 case	0.0230 ton fresh
Peanuts	1 pound shelled	1½ pounds unshelled
Pears	1 pound dried	6½ pounds fresh
Pears, Bartlett	1 case canned ³³	1.1 bushels fresh
Do	1 case	0.026 ton fresh

CONVERSION FACTORS—Continued

Commodity	Unit	Approximate equivalent
Peas, green.....	1 pound shelled.....	2½ pounds unshelled
Do.....	1 case canned ³³	0.009 ton fresh (shelled)
Prunes.....	1 pound dried.....	2.7 pounds fresh in California; 3 to 4 pounds fresh elsewhere
Raisins.....	1 pound.....	4.3 pounds fresh grapes
Rice, milled (excluding brewers).....	100 pounds.....	152 pounds rough or unhulled rice
Rye flour.....	do.....	2.23 bushels rye, beginning 1947
Sheep and lambs.....	1 pound live weight.....	0.482 pound dressed weight (1954-63 average)
Soybean meal.....	1 pound.....	1.27 pounds soybeans
Soybean oil.....	do.....	5.49 pounds soybeans
Sugar.....	1 ton raw.....	0.9346 ton refined
Tobacco.....	1 pound farm-sales weight.....	Various weights of stemmed and unstemmed, according to aging and the type of tobacco. (See circular 435, U.S. Dept. of Agr.)
Tomatoes.....	1 case canned ³³	0.018 ton fresh
Turkeys.....	1 pound live weight.....	0.80 pound ready-to-cook weight
Wheat flour.....	100 pounds.....	2.30 bushels wheat ³⁶
Wool, domestic apparel shorn.....	1 pound greasy.....	0.48 pounds scoured
Wool, domestic apparel pulled.....	do.....	0.73 pound scoured

¹Standard bushel used in the United States contains 2,150.42 cubic inches; the gallon, 231 cubic inches; the cranberry barrel, 5,826 cubic inches; and the standard fruit and vegetable barrel, 7,056 cubic inches. Such large-sized products as apples and potatoes sometimes are sold on the basis of a heaped bushel, which would exceed somewhat the 2,150.42 cubic inches of a bushel basket level full. This also applies to such products as sweetpotatoes, peaches, green beans, green peas, spinach, etc.

²Approximate inside dimensions, 10½ by 11½ by 18 inches.

³Approximate inside dimensions, 4½ by 12½ by 16½ inches.

⁴Approximate inside dimensions, 4½ by 16 by 16½ inches.

⁵Approximate dimensions, 4½ by 13½ by 16½ inches.

⁶Approximate inside dimensions, 13 by 12 by 32 inches.

⁷Inside dimensions vary. Common sizes are 13 by 13 by 22½ inches, and 13 by 15½ by 23 inches.

⁸Approximate inside dimensions, 13 by 18 by 21½ inches.

⁹Approximate inside dimensions, 13 by 13 by 22½ inches.

¹⁰This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.

¹¹Approximate inside dimensions, 9½ by 16 by 20 inches.

¹²Approximate inside dimensions, 4½ by 11½ by 14 inches.

¹³The standard weight of 70 pounds is usually recognized as being about 2 measured bushels of corn, husked, on the ear, because it required 70 pounds to yield 1 bushel, or 56 pounds, of shelled corn.

¹⁴For statistical purposes the bale of cotton is 500 pounds or 480 pounds net weight. Prior to Aug. 1, 1946, the net weight was estimated at 478 pounds. Actual bale weights vary considerably, and the customary average weights of bales of foreign cotton differ from that of the American square bale.

¹⁵This is the average weight of cottonseed, although the legal weight in some States varies from this figure of 32 pounds.

¹⁶Approximate inside dimensions, 9½ by 10½ by 15 inches.

¹⁷Approximate inside dimensions, 1½ by 11 by 16½ inches.

¹⁸Approximate inside dimensions, 11½ by 11½ by 24 inches.

¹⁹In California and Arizona from 1942 through 1953, the net weights as used by this Department were 77 pounds for oranges, 79 pounds for lemons, and 65 pounds for Desert Valleys grapefruit. Grapefruit in California areas, other than the Desert Valleys, averaged 68 pounds. The new weights effective in 1954 reflect the shift from the "box" to the other ½-box carton as the container used.

²⁰Approximate inside dimensions, 10½ by 10½ by 16½ inches for oranges or lemons, and 9½ by 10½ by 16½ inches for grapefruit.

²¹Approximate inside dimensions, 5½ by 13½ by 16½ inches.

²²Approximate inside dimensions, 4½ by 16 by 16½ inches.

²³Approximate inside dimensions, 7½ by 16 by 21½ inches.

²⁴Approximate inside dimensions, 9½ by 13 by 25 inches.

²⁵Approximate inside dimensions, 12 by 12 by 24 inches.

²⁶Approximate inside dimensions vary. Common size is 4½ by 11½ by 16½ inches.

²⁷Approximate inside dimensions, 8½ by 11½ by 18 inches.

²⁸Approximate inside dimensions, 12 by 10½ by 33 inches.

²⁹Inside dimensions vary. Ranges from 4 by 16 by 16½ inches to 6 by 16 by 16½ inches.

³⁰Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.

³¹This average of 55 pounds indicates the usual weight of sweetpotatoes when harvested. Much weight is lost in curing or drying and the net weight when sold in terminal markets may be below 55 pounds.

³²Case of 24 No. 2½ cans.

³³Case of 24 No. 303 cans.

³⁴Varies widely by method of harvesting.

³⁵The milk equivalent of ice cream per gallon is 15 pounds. Reports from plants indicate about 81 percent of the butterfat in ice cream is from milk and cream, the remainder being from butter and concentrated milk. Thus the milk equivalent of the milk and cream in a gallon of ice cream is about 12 pounds.

³⁶This is equivalent to 4.51 bushels of wheat per barrel (196 pounds) of flour and has been used in conversions, beginning July 1, 1957. Because of changes in milling processes, the following factors per barrel of flour have been used for earlier periods: 1790-1879, 5 bushels; 1880-1908, 4.75 bushels, 1909-17, 4.7 bushels; 1918 and 1919, 4.5 bushels; 1920, 4.6 bushels; 1921-44, 4.7 bushels; July 1944-Feb. 1946, 4.57 bushels; March 1946-Oct. 1946, average was about 4.31 bushels; and Nov. 1946-June 1957, 4.57 bushels.

CHAPTER I

STATISTICS OF GRAIN AND FEED

This chapter contains tables for wheat, rye, rice, corn, oats, barley, sorghum grain, and feedstuffs. Estimates are given of area, production, disposition, supply and disappearance, prices, value of production, stocks, foreign production and trade, price-support operations, animal units fed, and feed consumed by livestock and poultry.

Table 1.—Total grain: Supply and disappearance, United States, 1975-89

Year ¹	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Domestic use	Exports	Total disappearance	
	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons	Million metric tons
1975.....	33.4	249.1	0.5	283.0	155.5	83.7	239.2	43.8
1976.....	43.8	258.1	.4	302.3	154.3	78.9	233.2	69.1
1977.....	69.1	265.9	.4	335.4	162.2	89.5	251.7	83.7
1978.....	83.6	276.2	.4	360.2	180.4	95.4	275.8	84.4
1979.....	84.5	302.6	.3	387.4	185.4	112.2	297.6	89.8
1980.....	89.8	269.7	.4	359.9	172.0	116.0	288.0	71.9
1981.....	71.9	330.8	.4	403.1	179.4	111.8	291.2	111.9
1982.....	111.8	332.9	.6	445.3	195.0	97.2	292.2	153.1
1983.....	153.1	207.5	.8	361.4	182.6	98.7	281.3	80.1
1984.....	80.1	314.6	1.0	395.7	197.8	98.2	296.0	99.7
1985.....	99.7	347.0	1.4	448.1	201.6	64.2	265.8	182.3
1986.....	182.3	315.8	1.4	499.5	218.8	76.9	295.7	203.8
1987.....	203.8	277.3	1.6	482.8	215.0	98.3	313.3	169.4
1988.....	170.0	206.3	2.0	378.3	187.6	103.7	291.3	87.0
1989 ²	86.6	283.9	1.9	372.4	208.4	106.1	314.5	57.9

¹ Year beginning Sept. 1 for corn and sorghum; June 1 for oats, barley, wheat, and rye; and Aug. 1 for rice.

² Preliminary. Totals may not add due to independent rounding.

Economic Research Service.

Table 2.—Wheat: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area		Yield per harvested acre	Production	Used on farms where produced		Sold	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested			For seed	Fed to livestock			
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1975.....	74,900	69,499	30.6	2,126,927	94,844		2,032,083	3.55	7,549,829
1976.....	80,395	70,927	30.3	2,148,780	104,755		2,044,025	2.73	5,867,836
1977.....	75,410	66,686	30.7	2,045,527	117,391		1,928,136	2.33	4,764,557
1978.....	65,989	56,495	31.4	1,775,524	83,151		1,692,373	2.97	5,280,634
1979.....	71,424	62,454	34.2	2,134,060	87,564		2,046,496	3.80	8,070,378
1980.....	80,788	71,125	33.5	2,380,934	(³)	(³)	(³)	3.99	9,302,831
1981.....	88,251	80,642	34.5	2,785,357	(³)	(³)	(³)	3.69	10,172,242
1982.....	86,232	77,937	35.5	2,764,967	(³)	(³)	(³)	3.45	9,813,015
1983.....	76,419	61,390	39.4	2,419,824	(³)	(³)	(³)	3.51	8,532,790
1984.....	79,213	66,928	38.8	2,594,777	(³)	(³)	(³)	3.39	8,755,033
1985.....	75,535	64,704	37.5	2,424,115	(³)	(³)	(³)	3.08	7,374,181
1986.....	71,998	60,688	34.4	2,090,570	(³)	(³)	(³)	2.42	5,044,347
1987.....	65,829	55,945	37.7	2,107,685	(³)	(³)	(³)	2.57	5,497,712
1988.....	65,529	53,189	34.1	1,812,201	(³)	(³)	(³)	3.72	6,683,999
1989 ⁴	76,615	62,149	32.8	2,035,818	(³)	(³)	(³)	3.82	7,742,176

¹ Includes area seeded in preceding fall for winter wheat. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.

³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 3.—Wheat, by kinds: Area, yield, production, and value, United States, 1975-89

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested				
Winter wheat						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
1975.....	55,954	51,376	32.0	1,642,900	3.37	5,540,438
1976.....	57,822	49,578	31.5	1,564,118	2.73	4,264,242
1977.....	56,469	48,772	31.6	1,540,419	2.28	3,506,778
1978.....	47,549	38,491	31.8	1,222,446	3.01	3,677,175
1979.....	51,787	43,427	36.9	1,601,234	3.81	6,075,553
1980.....	57,771	51,635	36.8	1,902,011	3.88	7,286,005
1981.....	65,547	58,476	35.9	2,097,057	3.68	7,643,158
1982.....	65,516	57,633	36.0	2,073,560	3.42	7,248,918
1983.....	62,105	47,584	41.8	1,988,304	3.42	6,910,125
1984.....	63,419	51,513	40.0	2,060,266	3.32	6,861,900
1985.....	57,712	47,923	38.1	1,826,625	2.98	5,429,571
1986.....	53,895	43,170	35.2	1,520,433	2.33	3,583,338
1987.....	48,806	39,332	39.8	1,565,381	2.49	3,962,170
1988.....	48,800	39,800	39.2	1,561,910	3.65	5,684,359
1989 ³	55,091	41,469	35.1	1,453,842	3.88	5,583,355
Durum wheat ⁴						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
1975.....	4,830	4,680	26.4	123,362	4.66	575,025
1976.....	4,748	4,584	29.4	134,914	2.96	398,856
1977.....	3,183	3,025	26.4	79,964	2.69	215,413
1978.....	4,110	4,024	33.1	133,328	2.93	390,608
1979.....	4,042	3,932	27.1	106,654	4.23	463,847
1980.....	5,525	4,840	22.4	108,395	5.32	549,261
1981.....	5,776	5,655	32.4	183,040	3.73	681,633
1982.....	4,290	4,177	34.9	145,863	3.40	534,156
1983.....	2,565	2,492	29.3	72,979	3.98	292,418
1984.....	3,277	3,219	32.1	103,439	3.75	389,420
1985.....	3,207	3,094	36.4	112,510	3.22	362,036
1986.....	2,994	2,877	34.0	97,907	2.70	271,276
1987.....	3,341	3,279	28.2	92,617	3.18	312,553
1988.....	3,336	2,847	15.7	44,831	4.70	203,923
1989 ³	3,791	3,673	25.1	92,229	3.45	318,959
Other spring wheat ⁵						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars	1,000 dollars
1975.....	14,116	13,443	26.8	360,665	3.98	1,434,366
1976.....	17,825	16,765	26.8	449,748	2.68	1,204,738
1977.....	15,758	14,889	28.6	425,144	2.45	1,042,366
1978.....	14,330	13,980	30.0	419,750	2.89	1,212,851
1979.....	15,595	15,095	28.2	426,172	3.61	1,530,978
1980.....	17,492	14,650	25.3	370,528	4.10	1,467,565
1981.....	16,928	16,511	30.6	505,260	3.73	1,847,451
1982.....	16,426	16,127	33.8	545,544	3.54	2,029,941
1983.....	11,749	11,314	31.7	358,541	3.72	1,330,247
1984.....	12,517	12,196	35.3	431,072	3.53	1,503,713
1985.....	14,616	13,687	35.4	484,980	3.38	1,582,574
1986.....	15,109	14,641	32.3	472,230	2.54	1,189,733
1987.....	13,682	13,334	33.7	449,687	2.62	1,222,989
1988.....	13,393	10,542	19.5	205,460	3.77	795,717
1989 ³	17,733	17,007	28.8	489,747	3.70	1,839,862

¹ Seeded in preceding fall for winter wheat. ² Obtained by weighting State prices by quantity sold. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Preliminary. ⁴ Includes California, Minnesota, Montana, North Dakota, and South Dakota. In addition 1976 and 1977 includes New Mexico; beginning 1976 includes Arizona. ⁵ Includes small quantities of durum wheat grown in States other than those mentioned in footnote 4.

National Agricultural Statistics Service.

Table 4.—Wheat: Stocks on and off farms, United States, 1975–89

Year beginning October	On farms				Off farms ²			
	Oct. 1	Jan. 1	Apr. 1	June 1 ¹	Oct. 1	Jan. 1	Apr. 1	June 1 ¹
All wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	756,805	548,600	343,212	235,861	1,129,044	838,028	594,151	429,768
1976.....	835,437	667,210	512,360	527,337	1,354,946	1,116,376	878,534	685,912
1977.....	1,039,227	834,577	642,106	494,018	1,365,322	1,162,459	887,832	683,790
1978.....	1,029,682	814,400	633,254	484,322	1,104,169	816,364	596,172	439,777
1979.....	1,030,071	773,920	569,600	376,501	1,240,745	942,247	655,518	525,498
1980.....	975,946	753,950	539,077	414,394	1,497,550	1,150,253	790,059	574,719
1981.....	1,197,704	948,675	742,573	576,196	1,529,800	1,223,397	809,041	583,168
1982.....	1,402,252	1,150,534	870,822	668,938	1,567,214	1,355,646	991,165	846,125
1983.....	1,235,870	1,015,409	771,212	591,650	1,719,317	1,310,964	986,924	806,996
1984.....	1,217,308	930,281	713,437	582,077	1,522,679	1,210,750	953,694	843,163
1985.....	1,248,482	1,011,203	799,432	681,080	1,724,011	1,514,964	1,390,641	1,223,901
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	1,293,000	1,063,000	794,000	560,000	1,863,505	1,610,490	1,456,430	1,260,904
1987.....	1,156,000	966,000	748,000	525,000	1,820,462	1,534,286	1,175,536	735,844
1988.....	799,000	620,000	463,000	289,000	1,455,552	1,095,902	764,711	412,626
1989 ³	832,000	592,000	376,000	212,500	1,085,246	831,651	567,120	322,348

Year beginning October	On farms				Off farms ²			
	Oct. 1	Jan. 1	Apr. 1	June 1 ¹	Oct. 1	Jan. 1	Apr. 1	June 1 ¹
Durum wheat								
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	87,406	65,412	53,033	38,906	27,657	20,528	18,065	14,550
1976.....	110,544	94,999	79,347	70,643	39,571	32,631	28,895	21,120
1977.....	103,462	81,891	61,635	49,626	36,338	26,524	29,754	17,265
1978.....	120,309	98,694	82,966	69,685	30,012	18,312	21,519	16,084
1979.....	122,621	87,384	64,486	48,669	30,070	19,776	21,327	12,342
1980.....	88,456	73,990	59,974	45,183	34,406	29,448	23,282	14,735
1981.....	144,837	119,151	103,717	88,819	41,688	31,034	26,947	17,145
1982.....	174,464	153,683	128,388	111,059	40,947	33,266	34,039	24,898
1983.....	112,849	97,776	86,007	71,554	46,392	35,267	34,245	27,125
1984.....	125,005	95,033	81,819	69,225	51,571	37,212	33,007	30,581
1985.....	127,722	111,608	89,192	78,929	44,124	39,191	46,878	42,355
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1986.....	124,800	96,910	72,570	49,305	52,874	57,558	56,618	45,259
1987.....	94,100	76,850	64,024	53,331	52,452	43,639	40,657	29,429
1988.....	56,040	49,615	43,635	34,201	50,630	40,928	34,808	25,813
1989 ³	79,150	61,827	46,898	30,836	42,431	38,361	31,545	19,029

¹ Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1. ² Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ³ Preliminary.

National Agricultural Statistics Service.

Table 5.—Wheat: Supply and disappearance, United States, 1975-89

Year begin- ning June	Supply				Disappearance						Ending stocks May 31
	Begin- ning stocks	Produc- tion	Im- ports ¹	Total	Domestic use				Ex- ports ¹	Total disap- pearance	
					Food	Seed	Feed ²	Total			
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1975.....	435	2,127	2	2,564	589	100	37	726	1,173	1,899	666
1976.....	666	2,149	3	2,817	588	92	74	754	950	1,704	1,113
1977.....	1,113	2,046	2	3,161	586	80	193	859	1,124	1,983	1,178
1978.....	1,178	1,776	2	2,955	592	87	158	837	1,194	2,031	924
1979.....	924	2,134	2	3,060	596	101	86	783	1,375	2,158	902
1980.....	902	2,381	3	3,285	611	113	59	783	1,514	2,296	989
1981.....	989	2,785	3	3,777	602	110	135	847	1,771	2,618	1,159
1982.....	1,159	2,765	8	3,932	616	97	195	908	1,509	2,417	1,515
1983.....	1,515	2,420	4	3,939	643	100	371	1,114	1,426	2,540	1,399
1984.....	1,399	2,595	9	4,003	651	98	407	1,156	1,421	2,578	1,425
1985.....	1,425	2,424	16	3,866	674	93	284	1,052	909	1,961	1,905
1986.....	1,905	2,091	21	4,017	712	84	401	1,197	999	2,196	1,821
1987.....	1,821	2,108	16	3,945	721	85	280	1,086	1,598	2,684	1,261
1988.....	1,261	1,812	23	3,096	715	103	157	975	1,419	2,394	702
1989 *.....	702	2,036	23	2,761	731	102	160	993	1,233	2,226	535

¹ Imports and exports include flour and other products expressed in wheat equivalent. ² Residual, approximates feed use and includes negligible quantities used for distilled spirits. ³ Excludes an abnormally large volume of grain in transit. ⁴ Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 6.—Wheat: Supply and disappearance, by classes, United States, 1985-88¹

Item	Year beginning June				Item	Year beginning June			
	1985	1986	1987	1988		1985	1986	1987	1988
	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>		<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
All wheat:					Hard red spring:				
Stocks, June 1	1,425	1,905	1,821	1,261	Stocks, June 1	371	498	490	402
Production	2,424	2,091	2,108	1,812	Production	460	451	431	181
Supply ²	3,864	4,017	3,945	3,096	Supply ²	841	957	925	590
Exports ³	909	999	1,598	1,419	Exports ³	165	199	255	195
Domestic disappearance	1,050	1,197	1,086	975	Domestic disappearance	178	268	268	176
Stocks, May 31	1,905	1,821	1,261	702	Stocks, May 31	498	490	402	219
Hard red winter:					Durum:				
Stocks, June 1	717	1,009	973	567	Stocks, June 1	100	121	95	83
Production	1,230	1,017	1,019	882	Production	113	98	93	45
Supply	1,947	2,026	1,992	1,449	Supply ²	216	225	197	139
Exports ³	393	429	911	639	Exports ³	53	82	62	20
Domestic disappearance	545	624	514	507	Domestic disappearance	42	49	52	59
Stocks, May 31	1,009	973	567	302	Stocks, May 31	121	95	83	60
Soft red winter:					White:				
Stocks, June 1	64	79	77	75	Stocks, June 1	173	198	185	135
Production	367	292	349	473	Production	254	232	216	232
Supply	431	371	427	547	Supply ²	428	437	403	370
Exports ³	148	114	160	315	Exports ³	150	175	210	250
Domestic disappearance	204	180	192	193	Domestic disappearance	80	77	59	40
Stocks, May 31	79	77	75	39	Stocks, May 31	198	185	135	81

¹ Data except production are approximations. ² Total supply includes imports. ³ Imports and exports include flour and products in wheat equivalent.

Economic Research Service.

Table 7.—Wheat: Area, yield, and production, by States, 1987-89

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	250	270	300	170	200	220	31.0	43.0	30.0	5,270	8,600	6,600
AZ.....	91	87	120	89	85	118	89.9	90.9	90.9	8,005	7,730	10,722
AR.....	930	1,120	1,300	840	1,070	1,200	41.0	53.0	44.0	34,440	56,710	52,800
CA.....	620	590	731	567	549	675	77.4	84.3	77.9	43,890	46,275	52,605
CO.....	3,160	2,554	2,775	2,555	2,352	2,270	38.1	33.8	27.4	97,380	79,540	62,100
DE.....	50	65	80	48	63	74	42.0	52.0	42.0	2,016	3,276	3,108
FL.....	60	75	80	50	70	65	29.0	36.0	29.0	1,450	3,520	1,885
GA.....	550	575	800	460	500	700	31.0	43.0	32.0	14,260	21,500	22,400
ID.....	1,210	1,220	1,460	1,140	1,150	1,370	75.0	65.7	66.7	85,500	75,520	91,420
IL.....	1,100	1,300	1,850	950	1,250	1,780	59.0	54.0	59.0	56,050	67,500	105,020
IN.....	750	840	940	600	700	880	58.0	50.0	59.0	34,800	35,000	51,920
IA.....	90	60	80	30	35	70	38.0	35.0	47.0	1,140	1,225	3,290
KS.....	10,700	10,200	12,400	9,900	9,500	8,900	37.0	34.0	24.0	366,300	323,000	213,600
KY.....	500	550	630	330	380	450	49.0	54.0	50.0	16,170	20,520	22,500
LA.....	240	300	390	170	270	350	31.0	41.0	31.0	5,270	11,070	10,850
MD.....	165	180	230	155	170	215	49.0	53.0	40.0	7,595	9,010	8,600
MI.....	450	650	660	400	620	640	48.0	42.0	53.0	19,200	26,040	33,920
MN.....	2,580	2,520	2,765	2,519	2,250	2,699	40.7	23.0	38.0	102,588	51,730	102,504
MS.....	400	500	525	350	450	450	36.0	46.0	34.0	12,600	20,700	15,300
MO.....	900	1,650	1,970	770	1,550	1,850	46.0	49.0	47.0	35,420	75,950	86,950
MT.....	4,895	4,730	6,340	4,690	3,830	5,235	32.2	15.7	27.7	151,220	59,970	145,030
NE.....	2,200	2,300	2,550	1,950	2,000	2,050	44.0	36.0	27.0	85,800	72,000	55,350
NV.....	24	22	18	21	19	15	80.0	70.5	80.0	1,680	1,340	1,200
NJ.....	30	35	43	27	31	35	45.0	45.0	39.0	1,215	1,395	1,365
NM.....	660	520	550	320	290	160	32.0	24.0	20.0	10,240	6,960	3,200
NY.....	95	95	135	85	90	130	45.0	55.0	45.0	3,825	4,950	5,850
NC.....	490	510	680	440	480	630	41.0	50.0	34.0	18,040	24,000	21,420
ND.....	9,300	9,250	10,800	9,135	7,230	10,330	29.5	14.3	23.5	269,120	103,390	242,320
OH.....	900	1,000	1,260	850	920	1,230	58.0	50.0	51.0	49,300	46,000	62,730
OK.....	7,200	7,000	7,300	4,800	4,800	5,700	27.0	36.0	27.0	129,600	172,800	153,900
OR.....	845	800	950	810	755	920	65.3	68.6	58.5	52,920	51,800	53,835
PA.....	190	175	220	185	170	215	43.0	53.0	37.0	7,955	9,010	7,955
SC.....	290	320	460	275	305	435	38.0	46.0	41.0	10,450	14,030	17,835
SD.....	3,660	3,650	3,920	3,528	2,638	3,520	30.2	14.4	23.6	106,704	38,006	83,080
TN.....	440	530	540	350	430	450	41.0	50.0	42.0	14,000	21,500	18,900
TX.....	6,800	6,300	6,700	3,600	3,200	3,000	28.0	28.0	20.0	100,800	89,600	60,000
UT.....	212	184	190	199	177	177	45.0	38.2	33.6	8,963	6,768	5,950
VA.....	275	230	300	215	200	275	45.0	52.0	46.0	9,675	10,400	12,650
WA.....	2,100	2,170	3,100	2,015	2,060	2,270	56.7	60.5	48.7	114,285	124,620	110,610
WV.....	13	11	16	11	9	12	45.0	46.0	43.0	495	414	516
WI.....	115	150	212	88	133	180	47.3	38.7	51.8	4,164	5,152	9,320
WY.....	299	271	235	258	208	204	30.6	22.5	23.1	7,890	4,680	4,708
US.....	65,829	65,529	76,615	55,945	53,189	62,149	37.7	34.1	32.8	2,107,685	1,812,201	2,035,818

¹ Includes area seeded in preceding fall for winter wheat. ² Preliminary.
National Agricultural Statistics Service.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1987–89

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
Winter wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	250	270	300	170	200	220	31.0	43.0	30.0	5,270	8,600	6,600
AZ.....	45	36	35	44	35	34	95.0	98.0	93.0	4,180	3,430	3,162
AR.....	930	1,120	1,300	840	1,070	1,200	41.0	53.0	44.0	34,440	56,710	52,800
CA.....	560	530	625	510	490	570	76.0	83.0	77.0	38,760	40,670	43,890
CO.....	3,100	2,500	2,700	2,500	2,300	2,200	37.5	33.0	26.0	93,750	75,900	57,200
DE.....	50	65	80	48	63	74	42.0	52.0	42.0	2,016	3,276	3,108
FL.....	60	75	80	50	70	65	29.0	36.0	29.0	1,450	3,520	1,885
GA.....	550	575	800	460	500	700	31.0	43.0	32.0	14,260	21,500	22,400
ID.....	860	820	880	800	770	810	75.0	66.0	70.0	60,000	50,820	56,700
IL.....	1,100	1,300	1,850	950	1,250	1,780	59.0	54.0	59.0	56,050	67,500	105,020
IN.....	750	840	940	600	700	880	58.0	50.0	59.0	34,800	35,000	51,920
IA.....	90	60	80	30	35	70	38.0	35.0	47.0	1,140	1,225	3,290
KS.....	10,700	10,200	12,400	9,900	9,500	8,900	37.0	34.0	24.0	366,900	323,000	213,600
KY.....	500	550	630	330	380	450	49.0	54.0	50.0	16,170	20,520	22,500
LA.....	240	300	390	170	270	350	31.0	41.0	31.0	5,270	11,070	10,850
MD.....	165	180	230	155	170	215	49.0	53.0	40.0	7,595	9,010	8,800
MI.....	450	650	660	400	620	640	48.0	42.0	53.0	19,200	26,040	33,920
MN.....	100	75	135	90	60	120	33.0	24.0	38.0	2,970	1,440	4,560
MS.....	400	500	525	350	450	450	36.0	46.0	34.0	12,600	20,700	15,300
MO.....	900	1,650	1,970	770	1,550	1,850	46.0	49.0	47.0	35,420	75,950	86,950
MT.....	2,300	2,450	2,500	2,200	2,100	1,500	36.0	19.0	36.0	79,200	39,900	54,000
NE.....	2,200	2,300	2,550	1,950	2,000	2,050	44.0	36.0	27.0	85,800	72,000	55,350
NV.....	8	8	7	7	7	6	90.0	80.0	80.0	630	560	480
NJ.....	30	35	43	27	31	35	45.0	45.0	39.0	1,215	1,395	1,365
NM.....	660	520	550	320	290	160	32.0	24.0	20.0	10,240	6,960	3,200
NY.....	95	95	135	85	90	130	45.0	55.0	45.0	3,825	4,950	5,850
NC.....	490	510	680	440	480	630	41.0	50.0	34.0	18,040	24,000	21,420
ND.....	200	250	100	185	130	80	32.0	13.0	29.0	5,920	1,690	2,320
OH.....	900	1,000	1,260	850	920	1,230	58.0	50.0	51.0	49,300	46,000	62,730
OK.....	7,200	7,000	7,300	4,800	4,800	5,700	27.0	36.0	27.0	129,600	172,800	153,900
OR.....	780	700	840	750	660	815	66.0	71.0	60.0	49,500	46,860	48,900
PA.....	190	175	220	185	170	215	43.0	53.0	37.0	7,955	9,010	7,955
SC.....	290	320	460	275	305	435	38.0	46.0	41.0	10,450	14,030	17,835
SD.....	1,700	1,700	1,600	1,620	1,270	1,350	34.0	17.0	26.0	55,080	21,590	35,100
TN.....	440	530	540	350	430	450	40.0	50.0	42.0	14,000	21,500	18,900
TX.....	6,800	6,300	6,700	3,600	3,200	3,000	28.0	28.0	20.0	100,800	89,600	60,000
UT.....	180	160	165	170	155	155	43.0	36.0	32.0	7,310	5,580	4,960
VA.....	275	230	300	215	200	275	45.0	52.0	46.0	9,875	10,400	12,650
WA.....	1,900	1,850	2,100	1,825	1,750	1,300	57.0	62.0	53.0	104,025	108,500	68,900
WV.....	13	11	16	11	9	12	45.0	46.0	43.0	495	414	516
WI.....	85	140	200	60	125	170	54.0	40.0	53.0	3,240	5,000	9,010
WY.....	270	220	215	240	195	193	31.0	22.0	22.0	7,440	4,290	4,246
US.....	48,806	48,800	55,091	39,332	39,800	41,469	39.8	39.2	35.1	1,565,381	1,561,910	1,453,842
Durum wheat ³												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AZ.....	46	51	85	45	50	84	85.0	86.0	90.0	3,825	4,300	7,560
CA.....	60	60	106	57	59	105	90.0	95.0	83.0	5,130	5,605	8,715
MN.....	30	45	30	29	40	29	42.0	21.0	36.0	1,218	840	1,044
MT.....	195	280	340	190	230	335	28.0	9.0	18.0	5,320	2,070	6,030
ND.....	2,900	2,800	3,100	2,850	2,400	3,000	26.0	13.0	22.0	74,100	31,200	66,000
SD.....	110	100	130	108	68	120	28.0	12.0	24.0	3,024	816	2,880
US.....	3,341	3,336	3,791	3,279	2,847	3,673	28.2	15.7	25.1	92,617	44,831	92,229

See footnotes at end of table.

Table 8.—Wheat, by kinds: Area, yield, and production, by States, 1987-89—Continued

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
Other spring wheat												
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
CO.....	60	54	75	55	52	70	66.0	70.0	70.0	3,630	3,640	4,900
ID.....	350	400	580	340	380	560	75.0	65.0	62.0	25,500	24,700	34,720
MN.....	2,450	2,400	2,600	2,400	2,150	2,550	41.0	23.0	38.0	98,400	49,450	96,900
MT.....	2,400	2,000	3,500	2,300	1,500	3,400	29.0	12.0	25.0	66,700	18,000	85,000
NV.....	16	14	11	14	12	9	75.0	65.0	80.0	1,050	780	720
ND.....	6,200	6,200	7,600	6,100	4,700	7,250	31.0	15.0	24.0	189,100	70,500	174,000
OR.....	65	100	110	60	95	105	57.0	52.0	47.0	3,420	4,940	4,935
SD.....	1,850	1,850	2,200	1,800	1,300	2,050	27.0	12.0	22.0	48,600	15,600	45,100
UT.....	32	24	25	29	22	22	57.0	54.0	45.0	1,653	1,188	990
WA.....	200	320	1,000	190	310	970	54.0	52.0	43.0	10,260	16,120	41,710
WI.....	30	10	12	28	8	10	33.0	19.0	31.0	924	152	310
WY.....	29	21	20	18	13	11	25.0	30.0	42.0	450	390	462
US.....	13,682	13,393	17,773	13,334	10,542	17,007	33.7	19.5	28.8	449,687	205,460	489,747

¹ Area seeded in preceding fall for winter wheat. ² Preliminary. ³ Small additional quantities of durum wheat are grown in other than the States shown here but are included with "Other spring wheat."

National Agricultural Statistics Service.

Table 9.—Wheat: Price-support operations, United States, 1975-90

Marketing year	Support price				Put under support ³		Acquired by CCC under support programs ⁴	Owned by CCC at end of marketing year ¹
	Per bushel		Percentage of parity ²		Quantity	Percentage of production		
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1975/76.....	1.37	2.05	30	45	48	2.2		
1976/77.....	2.25	2.29	46	47	499	23.3	48	⁵ 58
1977/78.....	2.25	⁶ 2.00	44	57	591	29.0	2	⁵ 48
1978/79.....	2.35	3.40	45	65	256	14.2		50
1979/80.....	2.50	3.40	48	65	182	8.5	⁷ 157	⁸ 200
1980/81.....	⁶ 3.00	⁶ 3.63	46	56	331	14.0		⁸ 196
1981/82.....	⁶ 3.20	3.81	45	54	452	16.1	13	⁸ 187
1982/83.....	⁶ 3.55	4.05	49	56	646	23.0	⁹ 148	⁸ 192
1983/84.....	3.65	4.30	49	58	635	⁹ 26.2	⁹ 220	⁸ 188
1984/85.....	3.30	4.38	44	58	285	10.9	244	⁸ 378
1985/86.....	3.30	4.38	47	62	842	34.7	288	⁸ 602
1986/87.....	2.40	4.38	36	65	514	24.5	473	⁸ 830
1987/88.....	2.28	4.38	34	65	472	22.4	147	⁸ 283
1988/89.....	2.21	4.23	31	60	106	5.9	45	⁸ 191
1989/90.....	2.06	4.10	27	55	113	5.6	62	117
1990/91.....	1.95	4.00	25	51				

¹ Marketing year for 1975/76 began on July 1. Marketing year for 1976/77 and all subsequent years begins on June 1. ² Percentage of parity price at beginning of marketing year. ³ Represents loans made, purchases, and agreements entered into. ⁴ Acquisition of all loans forfeited during the marketing year including farmer-owned reserve and other loans made in previous years. ⁵ Uncommitted CCC inventory. ⁶ Reserve loan levels: 1980—\$3.30; 1981—\$3.50; 1982—\$4.00. Reserve loans for other years beginning with 1976 crop same as shown in table.

Target Prices: 1977—\$2.47 on under-planted allotment acreage; 1980—\$3.08 available to producers on farms where plantings exceeded the NCA. ⁷ Acquired through direct purchases by CCC for future Food Security Reserves. ⁸ Total CCC inventory including 147 million bushels in Food Security Reserves, 1979/87, 131 million bushels in Food Security Reserves, 1988, and 71 million bushels in Food Security Reserves, 1989. ⁹ Includes acquisitions for payment-in-kind (PIK) program entitlements. ¹⁰ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 10.—Wheat: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	2.50	3.30	3.50	13,175	23,380	23,100
AZ.....	3.05	3.94	4.16	24,397	30,465	44,654
AR.....	2.43	3.39	3.75	83,689	192,247	198,000
CA.....	2.90	3.82	3.88	127,133	176,669	203,852
CO.....	2.51	3.69	3.83	244,751	293,248	238,105
DE.....	2.45	3.57	3.45	4,939	11,695	10,723
FL.....	2.60	3.30	3.50	3,770	8,316	6,598
GA.....	2.46	3.21	3.70	35,080	69,015	82,880
ID.....	2.59	4.01	3.89	221,205	302,645	355,439
IL.....	2.51	3.50	3.90	140,686	236,250	409,578
IN.....	2.43	3.49	3.85	84,564	122,150	199,892
IA.....	2.75	3.82	3.80	3,135	4,680	12,502
KS.....	2.43	3.58	3.85	890,109	1,156,340	822,360
KY.....	2.50	3.60	3.70	40,425	73,872	83,250
LA.....	2.80	3.65	3.90	14,756	40,406	42,315
MD.....	2.55	3.65	3.55	19,367	32,887	30,530
MI.....	2.63	3.59	3.65	50,496	93,484	123,808
MN.....	2.57	3.79	3.75	263,360	196,087	384,058
MS.....	3.00	3.50	3.70	37,800	72,450	56,610
MO.....	2.53	3.45	3.75	89,613	262,028	326,063
MT.....	2.74	3.98	3.79	414,186	238,578	549,551
NE.....	2.45	3.66	3.90	210,210	263,520	215,865
NV.....	2.28	3.62	3.71	3,633	4,857	4,452
NJ.....	2.65	3.70	3.55	3,220	5,162	4,846
NM.....	2.28	3.45	3.70	25,347	24,012	11,840
NY.....	2.60	3.50	3.40	9,945	17,325	19,890
NC.....	2.55	3.40	3.40	46,002	81,600	72,828
ND.....	2.95	4.02	3.53	794,146	415,925	855,736
OH.....	2.61	3.73	3.80	128,673	171,580	238,374
OK.....	2.46	3.57	3.85	318,316	616,896	592,515
OR.....	2.86	4.27	4.25	151,351	221,186	228,799
PA.....	2.90	3.70	3.50	23,070	33,337	27,843
SC.....	2.55	3.40	3.55	26,643	47,702	63,314
SD.....	2.60	3.73	3.73	277,439	141,643	310,042
TN.....	2.60	3.44	3.70	36,400	73,960	69,930
TX.....	2.36	3.39	3.80	237,888	303,744	228,000
UT.....	2.51	3.82	3.69	22,490	25,834	21,966
VA.....	2.55	3.45	3.50	24,671	35,880	44,275
WA.....	2.82	4.19	4.30	322,284	522,158	475,623
WV.....	2.50	3.70	3.85	1,238	1,532	1,987
WI.....	2.33	3.28	3.50	9,702	16,899	32,620
WY.....	2.50	3.71	3.73	19,703	17,355	17,563
US.....	2.57	3.72	3.82	5,497,712	6,683,999	7,742,176

¹ Preliminary.

National Agricultural Statistics Service.

Table 11.—Wheat: Area, yield, and production in specified countries, 1987/88-1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/ 90 ³	1987/88	1988/89	1989/ 90 ³	1987/88	1988/89	1989/ 90 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North & Central America:									
Canada.....	13,473	12,987	13,627	1.93	1.23	1.79	25,950	15,995	24,383
Guatemala.....	30	33	32	1.53	1.55	1.34	46	51	43
Mexico.....	900	800	950	4.11	4.00	4.21	3,700	3,200	4,000
United States.....	22,640	21,525	25,151	2.53	2.29	2.20	57,362	49,320	55,406
Total.....	37,043	35,345	39,760				87,058	68,566	83,832
South America:									
Argentina.....	4,789	4,700	5,450	1.84	1.79	1.86	8,800	8,400	10,150
Bolivia.....	110	90	100	.73	.67	.70	80	60	70
Brazil.....	3,475	3,450	3,355	1.76	1.68	1.65	6,100	5,800	5,550
Chile.....	577	540	578	3.01	3.26	2.94	1,734	1,760	1,700
Colombia.....	42	39	48	1.83	1.59	1.75	77	62	84
Ecuador.....	18	20	17	1.00	1.00	.94	18	20	16
Paraguay.....	175	195	235	1.54	1.60	1.60	270	312	375
Peru.....	102	115	117	1.28	1.33	1.23	131	153	144
Uruguay.....	167	170	280	1.84	2.29	1.68	308	390	470
Total.....	9,455	9,319	10,180				17,518	16,957	18,559
Europe:									
Belgium-Luxembourg.....	199	204	219	5.60	6.48	6.75	1,114	1,321	1,478
Denmark.....	398	309	446	5.74	6.73	7.22	2,285	2,080	3,221
France.....	4,959	4,807	5,030	5.49	6.15	6.35	27,234	29,540	31,950
Germany, Federal Re- public of.....	1,671	1,743	1,777	5.94	6.84	6.21	9,932	11,922	11,032
Greece.....	869	880	890	2.44	2.61	2.25	2,118	2,300	2,005
Ireland.....	57	60	63	6.54	6.95	7.10	373	417	447
Italy.....	3,087	2,876	2,965	3.04	2.76	2.50	9,381	7,952	7,412
Netherlands.....	111	114	138	6.93	7.25	7.59	769	827	1,047
Portugal.....	324	294	334	1.65	1.34	1.81	534	394	605
Spain.....	2,223	2,333	2,295	2.59	2.65	2.27	5,768	6,173	5,200
United Kingdom.....	1,994	1,886	2,106	5.99	6.23	6.74	11,940	11,750	14,200
Total EC.....	15,892	15,506	16,263				71,448	74,676	78,597
Austria.....	320	292	278	4.53	5.34	4.90	1,451	1,560	1,363
Finland.....	139	109	151	2.02	2.61	3.36	281	285	507
Malta & Gozo.....	1	1	1	3.00	3.00	3.00	3	3	3
Norway.....	58	31	40	3.97	6.45	3.85	230	200	154
Sweden.....	325	251	285	4.79	5.16	6.19	1,558	1,295	1,764
Switzerland.....	93	91	91	4.84	5.93	6.37	450	540	580
Total Western Europe.....	16,828	16,281	17,109				75,421	78,559	82,968
Albania.....	190	180	180	2.95	3.00	3.00	560	540	540
Bulgaria.....	1,085	1,182	1,185	3.82	3.99	3.76	4,149	4,713	4,450
Czechoslovakia.....	1,217	1,250	1,250	5.06	5.24	4.96	6,154	6,550	6,200
German Democratic Re- public.....	748	765	770	5.40	4.84	4.48	4,040	3,700	3,450
Hungary.....	1,301	1,281	1,242	4.42	5.44	5.24	5,748	6,975	6,509
Poland.....	2,132	2,179	2,195	3.73	3.48	3.87	7,942	7,582	8,500
Romania.....	2,400	2,400	2,400	2.50	3.50	3.33	6,000	8,400	8,000
Yugoslavia.....	1,455	1,506	1,479	3.62	4.18	3.78	5,272	6,300	5,598
Total Eastern Europe.....	10,528	10,743	10,701				39,865	44,760	43,247
Total Europe.....	27,356	27,024	27,810				115,286	123,319	126,215
Soviet Union (Europe and Asia).....	46,684	48,058	47,500	1.78	1.76	1.91	83,312	84,445	90,500
Africa:									
Algeria.....	1,511	1,023	1,255	.78	.60	.68	1,175	615	850
Angola.....	7	7	7	.57	.57	.57	4	4	4
Chad.....	3	4	4	1.00	1.00	1.50	3	4	6
Egypt.....	577	597	630	4.23	4.76	5.05	2,443	2,839	3,183
Ethiopia.....	740	750	725	1.08	1.20	1.10	800	900	800
Kenya.....	105	114	118	2.10	2.15	2.03	220	245	239
Lesotho.....	25	27	27	.72	.74	.74	18	20	20
Libya.....	310	320	300	.61	.42	.48	190	135	145
Morocco.....	2,288	2,317	2,630	1.06	1.73	1.49	2,427	4,019	3,927

See footnotes at end of table.

Table 11.—Wheat: Area, yield, and production in specified countries, 1987/88–1989/90¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Con.									
Mozambique	3	2	2	1.00	1.00	1.00	3	2	2
Nigeria	15	40	50	2.00	1.25	1.20	30	50	60
South Africa, Republic of	1,729	1,985	1,830	1.81	1.78	1.09	3,135	3,535	2,000
Sudan	150	200	250	.93	1.25	1.20	140	250	300
Tanzania, United Republic of	54	53	50	1.33	1.43	1.80	72	76	90
Tunisia	971	299	557	1.40	.74	.75	1,360	220	420
Zaire	8	9	9	1.25	1.33	1.33	10	12	12
Zambia	7	7	8	4.71	4.86	5.50	33	34	44
Zimbabwe	40	47	50	5.00	5.47	5.70	200	257	285
Total	8,543	7,801	8,502				12,263	13,217	12,387
Asia:									
Afghanistan	2,000	2,100	2,000	1.38	1.33	1.35	2,750	2,800	2,700
Bangladesh	585	597	511	1.86	1.76	1.64	1,091	1,048	838
Bhutan	13	13	13	1.46	1.54	1.54	19	20	20
Burma	127	124	125	1.24	1.85	1.60	157	230	200
China (Mainland)	28,808	28,793	29,841	2.98	2.97	3.04	85,840	85,432	90,800
Cyprus	13	14	13	1.08	2.00	.77	14	28	10
India	23,131	23,063	24,092	1.92	2.00	2.24	44,323	46,169	53,995
Iran	6,100	6,300	6,300	.98	1.08	1.08	6,000	6,800	6,800
Iraq	859	950	550	.84	1.05	.89	722	1,000	491
Israel	90	93	90	3.31	2.27	2.23	298	211	201
Japan	271	282	284	3.19	3.62	3.47	864	1,021	985
Jordan	125	115	65	.87	.87	.69	109	100	45
Korea, Democratic People's Rep. of	205	205	210	3.90	3.90	3.81	800	800	800
Korea, Republic of	1	1	1	4.00	2.00	1.00	4	2	1
Lebanon	6	10	10	3.00	1.40	1.40	18	14	14
Mongolia	470	475	475	1.16	1.34	1.37	543	635	650
Nepal	530	500	530	1.30	1.30	1.32	690	650	700
Pakistan	7,706	7,308	7,730	1.56	1.73	1.87	12,020	12,675	14,419
Saudi Arabia	630	666	645	3.81	4.80	4.81	2,400	3,200	3,100
Syria	1,183	1,100	744	1.40	1.88	1.21	1,656	2,067	900
Taiwan	1	1	1	3.00	3.00	4.00	8	3	4
Turkey	8,700	8,750	8,700	1.49	1.71	1.32	13,000	15,000	11,500
Yemen (Aden)	12	10	10	1.42	1.50	1.50	17	15	15
Yemen (Sanaa)	66	65	65	1.02	1.23	1.15	67	80	75
Total	81,632	81,535	83,005				173,405	180,000	189,263
Oceania:									
Australia	9,063	8,901	9,147	1.36	1.58	1.56	12,369	14,054	14,315
New Zealand	83	53	55	4.05	4.30	3.73	336	228	205
Total	9,146	8,954	9,202				12,705	14,282	14,520
World total	219,859	218,036	225,959				501,547	500,786	535,276

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1987 is combined with estimates for the Southern Hemisphere Harvests, which begin late in 1987 and end early in 1988.

² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 12.—Wheat and flour: United States imports, 1975-89

Year beginning June	Wheat ¹		Flour (wheat equivalent)	Other products (wheat equivalent) ²	Total wheat, flour, and other products
	Suitable for milling	Unfit for human consumption			
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975	631	344	92	1,307	2,374
1976	1,298	20	32	1,381	2,731
1977	424	2	20	1,475	1,921
1978	18	15	45	1,772	1,850
1979	155	50	62	1,869	2,136
1980	128	58	200	2,148	2,534
1981	59	14	357	2,423	2,853
1982	3,901	35	624	3,086	7,596
1983	67	10	336	3,425	3,839
1984	4,825	3	329	4,285	9,442
1985	11,340	71	475	4,405	16,292
1986	14,833	979	411	4,917	21,140
1987	9,020	969	755	5,342	16,087
1988	15,870	n.a.	539	6,259	22,649
1989	13,548	n.a.	533	9,366	23,447

¹ During 1988/89 Census ceased reporting wheat suitable for milling and unfit for human consumption.

² Includes macaroni, semolina, and similar products. n.a. not available.

Economic Research Service.

Table 13.—Wheat and flour: United States exports under specified Government programs, 1975-88

Year ¹	Local currency ²	Public Law 480			Foreign Donations Sec. 416 ⁶	Mutual security (AID) ⁷	Total specified Government programs
		Title I sales	Title II donations				
		Long-term dollar and convertible foreign currency credit sales ³	Government- to- government and World Food Program ⁴	Voluntary relief agencies ⁵			
		1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975		105,861	2,734	7,046		8,348	123,989
(*)		(44,350)	(2,752)	(1,526)		(6,481)	(55,109)
1976		133,504	8,887	17,842		15,836	158,277
1977		119,225	6,313	11,487		12,520	149,545
1978		126,819	5,968	9,808		243	142,838
1979		107,288	8,724	7,064		2,147	125,218
1980		101,052	9,659	7,158		153	118,022
1981		110,046	14,312	8,614			132,972
1982		113,322	22,081	8,724		6,805	150,932
1983		120,670	19,114	17,117			156,901
1984		151,605	23,188	8,980		2,726	186,449
1985		134,159	18,865	7,101	1,849	17,124	179,098
1986	3,953	150,840	9,597	5,831	15,413	28	185,662
1987	3,181	111,996	14,804	16,119	44,173	10,713	200,986
1988	4,103	95,913	18,384	13,518	5,044	30,378	167,340

¹ Year beginning July 1 for 1975-76 and Oct. 1 beginning 1976. ² Authorized by the Food Security Act of 1985.

³ Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480 amended by P.L. 89-808.

⁴ Authorized by Title II, P.L. 480.

⁵ Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.

⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985. ⁷ Foreign Assistance Act of 1961, as amended. ⁸ Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 14.—Wheat and flour: ¹ International trade, 1987-89

Country	Year beginning July					
	1987		1988		1989 ²	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Principal exporters:						
Canada.....	23,634	0	13,524	0	16,500	0
United States ³	43,429	462	37,583	759	34,500	572
Argentina.....	3,793	0	3,474	0	6,000	0
Australia.....	12,168	0	10,816	0	10,700	0
Bulgaria.....	300	400	300	100	200	100
France.....	16,441	200	18,443	350	19,100	160
Romania.....	50	0	250	0	300	0
Spain.....	614	553	350	250	300	200
Sweden.....	528	63	233	53	630	40
Turkey.....	933	160	1,800	300	100	3,000
Greece.....	550	320	1,200	270	800	300
Hungary.....	1,250	0	2,000	0	1,700	0
Total ⁴.....	103,690	2,158	89,973	2,082	90,830	4,372
Principal importers:						
Cuba.....	0	1,200	0	1,100	0	1,200
Brazil.....	70	2,000	0	800	0	1,500
Peru.....	0	1,150	0	700	0	800
Belgium and Luxembourg.....	746	1,562	950	1,450	785	1,310
Germany, Fed. Rep. of.....	3,440	2,029	3,700	2,000	2,800	1,600
Netherlands.....	750	1,700	532	1,796	850	1,700
United Kingdom.....	2,520	2,165	2,200	1,155	4,500	1,000
Yugoslavia.....	11	283	685	12	500	220
Egypt.....	0	6,426	0	7,000	0	7,000
South Africa.....	270	35	700	0	500	200
India.....	500	410	20	1,900	20	200
Indonesia.....	252	1,600	0	1,500	0	1,750
Israel.....	0	700	0	600	0	650
Japan.....	362	5,653	370	5,405	400	5,400
Korea, Rep. of.....	0	4,459	0	2,822	0	2,200
Malaysia.....	20	650	42	715	45	730
Pakistan.....	0	600	0	2,400	0	2,000
Philippines.....	0	1,084	0	1,200	0	1,400
Italy.....	2,591	4,271	3,600	5,500	2,400	5,100
Soviet Union.....	500	21,500	500	15,500	500	14,000
Algeria.....	0	3,800	0	4,200	0	4,300
Morocco.....	0	1,900	0	1,300	0	1,000
Syria.....	0	900	0	830	0	1,200
Tunisia.....	0	850	0	1,100	0	1,100
Poland.....	0	2,000	0	2,000	0	1,600
China.....	0	15,000	0	15,500	0	13,500
Taiwan.....	0	902	0	948	0	920
Portugal.....	0	416	0	650	0	500
Saudi Arabia.....	1,225	118	2,000	127	1,900	100
Sri Lanka.....	0	717	0	650	0	800
Venezuela.....	0	1,200	0	1,045	0	700
Vietnam.....	0	400	0	400	0	400
Germany, Dem. Rep. of.....	127	452	94	500	50	100
Total ⁴.....	13,384	88,132	15,393	82,805	15,250	76,180

¹ Flour reported in terms of grain equivalent. ² Preliminary. ³ United States exports exclude exports of flour milled in bond from imported wheat. ⁴ Total for indicated countries only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 15.—Wheat and flour: ¹ United States exports (domestic) by country of destination, 1987 and 1988/89

Country of destination	Year ²		Country of destination	Year ²	
	1987	1988/89		1987	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Wheat:			Wheat flour, wholly of U.S. wheat:		
Mexico.....	777,312	496,314	Central America.....	2,902	14,946
Central America.....	648,105	593,139	Jamaica.....	0	35,911
Caribbean.....	631,991	617,857	Trinidad and Tobago.....	478	1,011
Brazil.....	69,303	100,067	Other Caribbean.....	50,703	71,354
Chile.....	46,201	3,198	Bolivia.....	44,731	49,351
Colombia.....	450,341	401,840	Brazil.....	735	0
Ecuador.....	395,593	375,455	Chile.....	127	1,708
Peru.....	451,365	186,397	Colombia.....	779	932
Venezuela.....	391,693	594,718	Guyana.....	0	0
Other Americas.....	205,575	186,685	Other Americas.....	31,260	36,091
Total Americas.....	4,067,479	3,555,670	Total Americas.....	131,715	211,304
Belgium and Luxembourg.....	189,397	200,515	Greece.....	0	0
France.....	434	182	Netherlands.....	1,323	979
Germany, Fed. Rep. of.....	8,290	98	Portugal.....	25	6,248
Italy.....	387,578	406,009	Other Europe.....	2,362	3,930
Netherlands.....	30,567	0	Total Europe.....	3,710	11,157
Norway.....	27,598	50,756	Sri Lanka.....	0	0
Portugal.....	70,344	108,190	Japan.....	2,718	221
Spain.....	22,896	16,776	Jordan.....	642	2,447
Switzerland.....	424	498	Korea, Rep. of.....	7	0
United Kingdom.....	201	20,300	Lebanon.....	999	3,132
Other Europe.....	1,766,742	169,608	Philippines.....	5,596	24,023
Soviet Union.....	8,750,455	5,164,479	Saudi Arabia.....	0	0
Total Europe and Soviet Union.....	11,254,927	6,137,411	Other Asia.....	165,361	352,505
India.....	1,238,628	609,521	Total Asia.....	175,323	382,328
Iran.....	0	0	Egypt.....	1,206,406	843,121
Israel.....	463,087	500,365	Morocco.....	18,407	24,228
Japan.....	2,976,983	2,682,240	Other Africa.....	240,763	136,475
Korea, Rep. of.....	2,031,592	1,679,601	Total Africa.....	1,465,576	1,003,824
Lebanon.....	0	0	Oceania.....	3,281	3,070
Pakistan.....	263,886	1,826,551	World total.....	1,779,606	1,611,680
Philippines.....	989,052	1,045,843	Relief or charity ³	168,933	33,720
Syria.....	0	26,250			
China.....	5,890,400	8,244,017			
Taiwan.....	856,024	749,122			
Turkey.....	0	440,060			
Other Asia.....	2,576,581	3,694,930			
Algeria.....	1,760,973	1,119,579			
Morocco.....	1,384,832	912,405			
South Africa.....	0	0			
Tunisia.....	689,477	197,979			
Other Africa.....	3,863,325	3,504,945			
Other countries.....	275,941	820,924			
World total.....	40,523,187	37,747,413			
Relief or charity ³	559,532	141,969			

¹ Flour reported in terms of grain equivalent. ² Year beginning Oct. 1. ³ Included in world total by country of destination.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 16.—Wheat and flour: Recorded exports of wheat and flour through the International Wheat Agreement, crop year 1987-88 ¹

Member country imports	Member country exports						
	United States	Canada	European Community	Australia	Argentina	Other	Grand total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Austria.....	0	0	0	0	0	0	0
Barbados.....	21,000	0	0	0	0	0	21,000
Bolivia.....	181,000	0	0	0	26,000	0	207,000
Brazil.....	69,000	632,000	344,000	0	1,010,000	0	2,055,000
Costa Rica.....	126,000	0	0	0	0	0	126,000
Cuba.....	0	791,000	253,000	0	91,000	0	1,135,000
Dominican Republic.....	253,000	0	0	0	0	0	253,000
Ecuador.....	382,000	0	0	0	0	0	382,000
Egypt.....	2,449,000	101,000	494,000	2,045,000	0	0	5,089,000
El Salvador.....	155,000	0	1,000	0	0	0	156,000
European Community:							
Belgium.....	178,000	317,000	427,000	0	0	0	922,000
Denmark.....	0	0	59,000	0	0	0	59,000
France.....	3,000	0	53,000	0	0	0	56,000
Germany, Fed. Rep. of....	8,000	9,000	225,000	0	0	0	242,000
Italy.....	361,000	420,000	503,000	0	7,000	0	1,291,000
Netherlands.....	31,000	20,000	302,000	0	0	0	353,000
United Kingdom.....	0	419,000	235,000	0	0	0	654,000
Greece.....	0	0	407,000	0	0	20,000	427,000
Portugal.....	111,000	90,000	5,000	0	0	0	206,000
Spain.....	15,000	0	617,000	0	0	0	632,000
Finland.....	87,000	11,000	4,000	0	0	0	102,000
Guatemala.....	162,000	0	0	0	0	0	162,000
India.....	378,000	30,000	0	0	0	0	408,000
Iran.....	0	989,000	97,000	2,257,000	691,000	0	4,034,000
Iraq.....	1,016,000	814,000	0	944,000	0	0	2,774,000
Israel.....	434,000	34,000	102,000	0	33,000	0	603,000
Japan.....	3,021,000	1,448,000	0	1,013,000	0	0	5,482,000
Kenya.....	114,000	11,000	2,000	0	0	44,000	171,000
Korea, Rep. of.....	2,129,000	764,000	842,000	167,000	21,000	0	3,923,000
Lebanon.....	0	0	71,000	0	0	0	71,000
Libya.....	0	77,000	56,000	0	0	0	133,000
Malta.....	0	0	0	0	0	0	0
Mauritius.....	0	0	0	0	0	0	0
Morocco.....	1,836,000	22,000	107,000	0	0	0	1,965,000
Nigeria.....	0	0	0	0	0	0	0
Norway.....	28,000	97,000	33,000	0	0	0	158,000
Pakistan.....	156,000	54,000	130,000	20,000	0	0	360,000
Panama.....	78,000	0	0	0	0	0	78,000
Peru.....	270,000	312,000	16,000	0	486,000	9	1,084,000
Saudi Arabia.....	118,000	0	0	0	0	0	118,000
South Africa.....	2,000	33,000	0	0	0	0	35,000
Sweden.....	0	74,000	7,000	0	0	4,000	85,000
Switzerland.....	2,000	15,000	81,000	0	0	0	98,000
Syria.....	0	11,000	501,000	0	0	0	512,000
Trinidad and Tobago.....	87,000	0	0	0	0	0	87,000
Tunisia.....	522,000	25,000	225,000	22,000	0	0	794,000
Turkey.....	72,000	0	0	45,000	0	6,000	123,000
United Kingdom ²							
Territories.....	138,000	10,000	13,000	0	0	0	161,000
United States.....	0	320,000	0	0	0	0	320,000
Soviet Union.....	12,198,000	4,369,000	2,528,000	254,000	605,000	0	19,954,000
Vatican City.....	0	0	0	0	0	0	0
Venezuela.....	429,000	438,000	0	0	252,000	0	1,119,000
Others.....	14,059,000	10,483,000	6,600,000	5,381,000	573,000	0	37,170,000
Total.....	41,677,000	23,240,000	15,340,000	12,148,000	3,795,000	74,000	96,274,000

¹ Data in this table are limited to exports and imports of wheat and flour during July 1, 1987 through June 30, 1988 by countries which are members of the International Wheat Agreement (IWA); they exclude approximately 30 million metric tons of wheat and flour exported to or imported from countries which are not members of the IWA. Flour reported in terms of grain equivalent. ² Included are Hong Kong, Gibraltar, Bermuda, and Virgin Islands.

Foreign Agricultural Service. Data from International Wheat Council Report.

Table 17.—Rye: Area, yield, production, disposition, and value, United States, 1975–89

Year	Area		Yield per harvested acre	Production	Used on farms where produced for seed and fed to livestock	Sold	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	2,791	728	21.9	15,924	3,641	12,283	2.36	37,406
1976.....	2,604	719	20.7	14,891	3,641	11,250	2.47	37,038
1977.....	2,555	677	24.4	16,543	3,758	12,785	2.06	34,539
1978.....	2,865	926	26.0	24,065	4,957	19,108	1.99	48,520
1979.....	2,839	850	25.7	21,887	4,521	17,868	2.07	46,086
1980.....	2,488	650	24.6	15,958	(³)	(³)	2.63	41,988
1981.....	2,566	685	26.6	18,187	(³)	(³)	3.00	55,004
1982.....	2,533	677	28.9	19,533	(³)	(³)	2.40	47,460
1983.....	2,707	892	30.3	27,008	(³)	(³)	2.17	60,074
1984.....	2,971	979	33.1	32,407	(³)	(³)	1.79	68,828
1985.....	2,543	708	28.8	20,373	(³)	(³)	2.03	41,902
1986.....	2,334	661	28.8	19,067	(³)	(³)	1.49	29,159
1987.....	2,428	671	29.1	19,526	(³)	(³)	1.63	31,641
1988.....	2,374	595	24.7	14,689	(³)	(³)	2.52	37,006
1989 ⁴	2,014	479	28.1	13,482	(³)	(³)	2.05	27,652

¹ Area planted in preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued.
⁴ Preliminary.

National Agricultural Statistics Service.

Table 18.—Rye: Supply and disappearance, United States, 1975–89

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Begin- ning stocks	Produc- tion	Imports	Total	Domestic use					Exports	Total disap- pearance	
					Food	Seed	Indus- try	Feed ¹	Total			
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	6,622	15,924	944	23,490	4,172	4,140	2,060	7,598	17,970	1,117	19,087	4,403
1976.....	4,403	14,891	248	19,542	3,696	4,114	1,930	5,350	15,090	38	15,128	4,414
1977.....	4,414	16,543	127	21,084	3,648	4,584	1,875	6,984	17,091	24	17,115	3,969
1978.....	3,969	24,065	145	28,179	3,690	4,644	2,383	8,130	18,847	359	19,206	8,973
1979.....	8,973	22,389	7	31,369	3,523	4,034	2,116	7,082	16,755	2,422	19,177	12,192
1980.....	12,192	16,483	10	28,685	3,515	4,150	2,050	7,331	17,046	7,494	24,540	4,145
1981.....	4,145	18,822	432	23,399	3,458	4,160	2,242	8,915	18,775	1,529	20,304	3,000
1982.....	3,000	19,533	3,000	25,600	3,300	4,400	2,300	9,600	19,600	200	19,800	5,800
1983.....	5,800	27,008	1,600	34,408	3,500	4,700	2,100	11,900	22,200	1,000	23,200	11,208
1984.....	11,208	32,407	600	44,215	3,500	4,100	2,000	14,415	24,015	400	24,415	19,800
1985.....	19,800	20,373	2,200	42,373	3,500	3,800	2,100	10,904	20,304	200	20,504	21,869
1986.....	21,869	19,067	1,000	41,936	3,500	3,700	2,000	13,653	22,853	500	23,353	18,583
1987.....	18,583	19,526	1,204	39,313	3,500	3,800	2,000	10,601	19,901	500	20,401	18,912
1988.....	18,912	14,689	200	33,801	3,500	3,200	2,000	11,401	20,101	3,400	23,501	10,300
1989 ²	10,300	13,482	100	23,882	3,500	3,000	2,000	8,940	17,440	800	18,240	5,642

¹ Residual, approximates total feed use. ² Preliminary.

Economic Research Service.

Table 19.—Rye: Area, yield, and production, by States, 1987-89

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els
CO.....	18	18	25	3	6	4	24.0	25.0	20.0	72	150	80
DE.....	20	18	17	3	4	2	33.0	31.0	35.0	99	124	70
GA.....	380	350	320	70	70	70	22.0	27.0	23.0	1,540	1,890	1,610
IL.....	65	60	50	6	5	8	27.0	28.0	39.0	162	140	312
IN.....	40	50	45	6	7	6	27.0	30.0	34.0	162	330	204
IA.....	25	30	25	4	5	5	35.0	30.0	37.0	140	150	185
KS.....	35	40	45	10	5	5	27.0	26.0	16.0	270	130	80
KY.....	50	45	50	2	4	2	36.0	26.0	32.0	72	104	64
MD.....	55	58	40	8	10	8	31.0	29.0	27.0	248	290	216
MI.....	115	135	120	20	25	20	32.0	26.0	33.0	640	650	660
MN.....	75	75	60	40	40	32	30.0	23.0	34.0	1,200	920	1,088
MO.....	15	25	25	2	8	3	18.0	32.0	30.0	36	256	90
NE.....	200	250	160	50	55	30	23.0	25.0	20.0	1,150	1,375	600
NJ.....	55	60	47	8	10	7	29.0	31.0	26.0	232	310	182
NY.....	90	100	80	10	12	15	30.0	33.0	32.0	300	396	480
NC.....	150	140	150	25	30	25	24.0	26.0	21.0	600	78	525
ND.....	175	130	45	165	90	38	31.0	15.0	28.0	5,115	1,350	1,064
OH.....	50	40	40	5	5	5	36.0	37.0	31.0	180	185	155
OK.....	130	130	100	20	30	28	18.0	24.0	19.0	360	720	532
OR.....	20	15	20	4	3	3	30.0	25.0	25.0	120	75	75
PA.....	60	70	70	15	19	18	35.0	36.0	32.0	525	684	576
SC.....	90	75	80	24	30	28	22.0	24.0	23.0	528	720	644
SD.....	150	120	100	140	90	90	36.0	25.0	36.0	5,040	2,250	3,240
TX.....	140	150	90	10	10	7	15.0	15.0	18.0	150	150	126
VA.....	200	150	140	15	16	8	29.0	35.0	33.0	435	560	264
WI.....	25	40	70	6	6	12	25.0	20.0	30.0	150	120	360
US.....	2,428	2,374	2,014	671	595	479	29.1	24.7	28.1	19,526	14,689	13,482

¹ Relates to the total area of rye sown for all purposes; area planted in preceding fall.

² Preliminary.

National Agricultural Statistics Service.

Table 20.—Rye: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CO.....	1.25	2.15	1.65	90	323	132
DE.....	1.75	2.05	2.80	173	254	196
GA.....	1.79	2.61	2.20	2,757	4,933	3,542
IL.....	1.95	2.90	2.10	316	406	655
IN.....	1.75	2.65	2.10	284	557	428
IA.....	1.60	2.36	1.80	224	354	333
KS.....	1.10	2.15	1.70	297	280	136
KY.....	1.85	2.35	1.70	133	244	109
MD.....	1.75	2.01	2.85	434	583	616
MI.....	2.40	2.70	1.50	1,536	1,755	990
MN.....	1.47	1.97	1.65	1,764	1,812	1,795
MO.....	1.85	3.00	2.80	67	768	252
NE.....	1.45	2.40	1.85	1,668	3,300	1,110
NJ.....	3.40	3.25	3.50	789	1,008	637
NY.....	2.50	2.35	2.40	1,750	931	1,152
NC.....	1.90	2.95	2.90	1,140	2,301	1,523
ND.....	1.31	1.77	1.70	6,701	2,390	1,809
OH.....	2.50	4.00	3.50	450	740	543
OK.....	1.75	3.35	3.30	630	2,412	1,756
OR.....	1.50	2.34	1.85	180	176	139
PA.....	2.90	3.55	3.25	1,523	2,428	1,872
SC.....	1.75	2.85	2.05	924	2,052	1,320
SD.....	1.48	2.12	1.55	7,459	4,770	5,022
TX.....	1.80	2.70	2.05	270	405	258
VA.....	1.90	2.70	2.30	827	1,512	607
WI.....	1.70	2.60	2.00	255	312	720
US.....	1.63	2.52	2.05	31,641	37,006	27,652

¹ Preliminary.

National Agricultural Statistics Service.

Table 21.—Rye: Price-support operations, United States, 1975-90

Marketing year ¹	Support price		Put under support ³		Acquired by CCC under support program ⁴	Owned by CCC at end of the marketing year
	Per bushel	Percentage of parity ²	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1975/76.....	0.89	39	0.1	0.6	.....	.....
1976/77.....	1.20	48	.1	1.0	.....	.....
1977.....	1.70	61	.9	5.4	.....	.....
1978.....	1.70	56	3.0	11.5	.....	.....
1979.....	1.79	51	1.9	8.5	.....	.....
1980.....	1.91	51	.4	2.4	.....	.....
1981.....	2.04	48	.5	2.6	.....	.....
1982.....	2.17	48	1.7	8.1	1.4	(⁵)
1983.....	2.25	47	5.3	19.6	1.4	1.4
1984.....	2.17	45	10.1	30.9	4.9	6.5
1985.....	2.17	47	4.1	19.9	9.9	16.0
1986.....	1.63	38	5.9	31.3	2.6	15.6
1987.....	1.55	38	8.6	44.1	1.5	15.8
1988.....	1.50	37	.3	⁶ 2.0	⁶ .6	⁶ 8.2
1989.....	1.40	32	⁶ .6	⁶ 4.4	⁶ .0	⁶ 2.6
1990.....	1.33	⁶ 31	.....	.....	.....	.....

¹ The marketing year for 1975/76 began on July 1. The marketing year for 1976/77 and all subsequent years begins on June 1. ² Percentage of parity price as of the beginning of the marketing year. ³ Includes loans made, purchases, and purchase agreements entered into. ⁴ Acquisitions of all loans forfeited during the marketing year including loans made in previous years. ⁵ Less than 100,000 bushels. ⁶ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 22.—Rye: Area, yield, and production in specified countries, 1987/88–1989/90¹

Continent and country	Area ²			Yield per hectares			Production		
	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada.....	313	257	485	1.58	1.04	1.72	493	267	835
United States.....	272	241	194	1.82	1.55	1.76	496	373	342
Total.....	585	498	679	1.69	1.29	1.73	989	640	1,177
South America:									
Argentina.....	96	55	84	.92	.76	.83	88	42	70
Brazil.....	3	2	3	1.33	1.00	1.33	4	2	4
Chile.....	5	5	5	2.00	2.00	2.00	10	10	10
Total.....	104	62	92	.98	.87	.91	102	54	84
Europe:									
Belgium-Luxembourg.....	13	11	10	4.31	5.09	5.40	56	56	54
Denmark.....	136	81	101	3.77	4.52	4.80	513	366	485
France.....	75	75	74	3.67	3.47	3.51	275	260	260
Germany, Fed. Rep. of.....	423	390	393	3.89	4.19	4.69	1,645	1,634	1,845
Greece.....	13	15	15	1.92	2.07	2.00	25	31	30
Italy.....	8	8	8	2.50	2.25	2.25	20	18	18
Netherlands.....	6	7	7	4.17	4.00	4.57	25	28	32
Portugal.....	128	121	122	.84	.64	.80	108	77	98
Spain.....	222	222	227	1.44	1.61	1.48	320	357	336
United Kingdom.....	7	7	7	4.57	4.71	4.43	32	33	31
Total EC.....	1,031	937	964	2.93	3.05	3.31	3,019	2,860	3,189
Austria.....	85	88	91	3.64	4.05	4.19	309	356	381
Finland.....	38	26	69	1.95	1.88	2.84	74	49	196
Norway.....	1	1	1	2.00	2.00	2.00	2	2	2
Sweden.....	40	36	67	3.43	3.56	4.72	137	128	316
Switzerland.....	4	4	4	4.75	5.00	5.00	19	20	20
Total Western Europe.....	1,199	1,092	1,196	2.97	3.13	3.43	3,560	3,415	4,104
Albania.....	11	12	12	1.00	.83	.83	11	10	10
Bulgaria.....	30	30	30	1.50	1.67	1.50	45	50	45
Czechoslovakia.....	142	155	155	3.49	3.42	3.42	496	530	530
German Dem. Rep.....	655	607	620	3.49	2.94	3.34	2,283	1,785	2,070
Hungary.....	94	97	97	1.98	2.53	2.06	186	245	200
Poland.....	2,647	2,874	2,924	2.57	2.52	2.94	6,816	7,232	8,600
Romania.....	42	40	40	1.19	1.50	1.38	50	60	55
Yugoslavia.....	41	40	37	1.68	1.90	2.03	69	76	75
Total Eastern Europe.....	3,662	3,855	3,915	2.72	2.59	2.96	9,956	9,988	11,585
Total Europe.....	4,861	4,947	5,111	2.78	2.71	3.07	13,516	13,403	15,689
Soviet Union (Europe and Asia).....	9,725	10,115	10,600	.18	.15	.15	18,055	18,517	21,500
Africa:									
South Africa, Republic of.....	33	20	20	.18	.15	.15	6	3	3
Asia:									
Turkey.....	220	215	210	1.59	1.67	1.52	350	360	320
Oceania:									
Australia.....	49	25	35	.33	.48	.57	16	12	20
World total.....	15,577	15,882	16,747	2.12	2.08	2.32	33,034	32,989	38,793

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow: thus the crop harvested in the Northern Hemisphere in 1986 is combined with estimates for the Southern Hemisphere harvests, which begin late in 1986 and end early in 1987.

² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign Governments, other foreign source materials, reports of Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 23.—Rice, rough: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area planted	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year average price per cwt. received by farmers ¹	Value of production ¹
	1,000 acres	1,000 acres	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1975.....	2,833.0	2,818.0	4,558	128,437	763	127,674	8.35	1,071,924
1976.....	2,489.0	2,480.0	4,663	115,648	378	115,270	7.02	811,358
1977.....	2,261.0	2,249.0	4,412	99,223	814	98,409	9.49	941,248
1978.....	2,993.0	2,970.0	4,484	133,170	602	132,568	8.16	1,087,000
1979.....	2,890.0	2,869.0	4,599	131,947	851	131,096	10.50	1,383,993
1980.....	3,380.0	3,312.0	4,413	146,150	(²)	(²)	12.80	1,873,007
1981.....	3,827.0	3,792.0	4,819	182,742	(²)	(²)	9.05	1,654,413
1982.....	3,295.0	3,262.0	4,710	153,637	(²)	(²)	7.91	1,246,608
1983.....	2,190.0	2,169.0	4,598	99,720	(²)	(²)	8.57	874,004
1984.....	2,830.0	2,802.0	4,954	138,810	(²)	(²)	8.04	1,119,373
1985.....	2,512.0	2,492.0	5,414	134,913	(²)	(²)	6.53	893,377
1986.....	2,381.0	2,360.0	5,651	133,356	(²)	(²)	3.75	495,505
1987.....	2,356.0	2,333.0	5,555	129,603	(²)	(²)	7.27	971,167
1988.....	2,933.0	2,900.0	5,514	159,897	(²)	(²)	6.83	1,091,817
1989 ³	2,731.0	2,687.0	5,749	154,487	(²)	(²)	7.10	1,096,859

¹ Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1982. ² Estimates discontinued. ³ Preliminary.

National Agricultural Statistics Service.

Table 24.—Rice, rough: Stocks on and off farms, United States, 1975-90

Year	On farms			Off farms ¹		
	Jan. 1	Apr. 1	Aug. 1	Jan. 1	Apr. 1	Aug. 1
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975.....	13,608	2,902	63	55,106	31,426	3,987
1976.....	24,713	12,800	657	66,333	50,481	30,688
1977.....	21,006	6,761	709	79,142	61,614	32,642
1978.....	8,269	3,157	586	68,813	49,898	20,542
1979.....	28,089	14,381	623	67,828	53,139	24,515
1980.....	31,021	12,030	563	72,897	55,368	19,530
1981.....	26,179	5,977	208	69,934	43,815	9,632
1982.....	48,404	26,807	4,453	82,980	63,473	36,934
1983.....	34,551	23,778	6,032	100,421	85,255	57,125
1984.....	30,681	15,802	1,250	84,028	63,964	38,456
1985.....	32,426	18,709	697	94,846	77,333	58,453
1986.....	36,737	22,232	2,031	105,746	93,985	68,916
1987.....	³ 36,264	⁴ 19,561	984	³ 109,276	⁴ 87,225	40,819
1988.....	³ 29,789	⁴ 10,104	1,242	³ 85,631	⁴ 65,494	22,506
1989.....	³ 39,581	⁴ 27,266	1,176	³ 92,107	⁴ 62,784	17,411
1990 ²	³ 40,040	⁴ 15,965	.....	³ 76,333	⁴ 61,989	.....

¹ Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit. ² Preliminary. ³ Estimate for December 1, previous year. ⁴ Estimate for March 1.

National Agricultural Statistics Service.

Table 25.—Rice, by length of grain: Area, yield, and production, United States, 1975–89

Year	Area harvested			Yield per acre			Production		
	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain
	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975	1,453.3	1,141.2	223.5	4,376	4,579	5,633	63,593	52,255	12,589
1976	1,531.0	794.0	155.0	4,576	4,634	5,681	70,051	36,792	8,805
1977	1,467.0	595.0	187.0	4,240	4,415	5,746	62,206	26,272	10,745
1978	1,925.0	816.6	228.4	4,405	4,464	5,221	84,792	36,454	11,924
1979	1,940.0	749.0	130.0	4,159	5,397	6,019	80,692	40,421	10,834
1980	2,170.0	1,003.6	138.4	4,002	5,122	5,702	86,851	51,407	7,892
1981	2,482.0	1,150.2	159.3	4,449	5,347	6,770	110,426	61,497	10,819
1982	2,175.0	950.5	136.5	4,295	5,402	6,499	93,424	51,342	8,871
1983	1,543.0	511.0	115.0	4,168	5,360	6,969	64,318	27,338	8,014
1984	2,095.0	604.0	103.0	4,584	5,845	7,259	96,029	35,304	7,477
1985	1,942.0	470.5	79.5	5,168	6,050	7,650	100,367	28,464	6,082
1986	1,806.0	498.0	56.0	5,358	6,474	7,757	96,773	32,239	4,344
1987	1,698.0	594.0	41.0	5,241	6,339	7,212	88,995	37,651	2,957
1988	2,223.0	616.0	51.0	5,345	5,989	7,141	119,364	36,891	3,642
1989 ¹	2,000.3	633.0	51.0	5,469	6,497	7,490	109,541	41,126	3,820

¹ Preliminary.

National Agricultural Statistics Service.

Table 26.—Rice, rough, by length of grain: Stocks in all positions, United States, 1975–90

Year	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975	36,393	16,532	1,450	.....	22,502	12,822	1,264	644	9,819	4,974	1,336	164
1976	40,705	24,749	14,260	.....	40,575	31,990	13,579	3,851	9,765	6,542	3,506	1,868
1977	54,387	32,262	12,950	.....	36,532	29,129	17,523	5,376	8,629	6,984	2,878	722
1978	42,641	28,929	9,624	.....	26,617	15,634	9,327	2,804	7,324	5,492	2,177	424
1979	54,785	36,222	11,049	.....	30,878	23,559	10,776	2,698	10,254	7,739	3,313	684
1980	62,318	40,062	10,515	.....	32,645	21,125	6,783	257	8,955	6,211	2,795	326
1981	54,909	27,132	4,869	.....	34,928	18,154	3,637	801	6,276	4,506	1,334	89
1982	72,440	44,208	14,578	.....	53,268	42,589	26,098	13,922	5,676	3,483	711	319
1983	71,051	50,339	21,335	170	56,340	52,754	37,795	21,990	7,581	5,940	4,027	1,830
1984	59,258	36,459	12,627	119	49,011	39,180	24,524	16,124	6,440	4,127	2,555	1,617
1985	74,691	56,393	34,517	2,111	44,807	33,907	21,194	12,408	7,774	5,742	3,439	1,671
1986	101,367	81,916	45,630	2,668	35,754	29,646	22,244	12,749	5,362	4,655	3,073	1,464
1987	² 101,298	³ 70,224	22,397	1,721	² 38,864	³ 32,779	18,034	11,454	² 5,378	³ 3,783	1,372	675
1988	² 72,008	³ 44,715	14,349	374	² 39,535	³ 28,498	8,559	3,627	² 3,877	³ 2,385	840	269
1989	² 94,594	³ 64,091	11,405	826	² 33,229	³ 23,290	6,091	1,387	² 3,865	³ 2,669	1,091	501
1990 ⁴	² 78,791	³ 50,498	.....	.....	² 33,051	³ 24,059	.....	.....	² 4,531	³ 3,397	.....	.....

¹ California only. ² Estimate for December 1, previous year. ³ Estimate for March 1. ⁴ Preliminary.
National Agricultural Statistics Service.

Table 27.—Rough rice and milled rice (rough equivalent): Supply and disappearance, United States, 1975-89 ¹

Year begin- ning August	Suply				Disappearance						Statistical discrepan- cies ³	End- ing stocks July 31
	Begin- ning stocks	Pro- duction	Im- ports	Total	Domestic use				Ex- ports ²	Total disappear- ance		
					Food	Brew- ers use	Seed	Total				
	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>	<i>Mil- lion cwt.</i>
1975	7.1	128.4	(*)	135.5	27.7	9.1	3.5	40.3	56.5	96.8	1.8	36.9
1976	36.9	115.6	.1	152.6	29.2	10.3	3.2	42.7	65.6	108.3	3.8	40.5
1977	40.5	99.2	.1	139.8	23.5	9.9	4.3	37.7	72.8	110.5	1.9	27.4
1978	27.4	133.2	.1	160.7	33.7	11.2	4.3	49.2	75.7	124.9	4.2	31.6
1979	31.6	131.9	.1	163.6	33.2	11.2	4.8	49.2	82.6	131.8	6.1	25.7
1980	25.7	146.2	.2	172.1	38.4	11.0	5.1	54.5	91.4	145.9	9.7	16.5
1981	16.5	132.7	.4	149.6	42.5	12.7	4.4	59.6	82.0	141.6	9.0	49.0
1982	49.0	153.6	.7	203.3	37.3	13.5	3.2	54.0	68.9	122.9	8.9	71.5
1983	71.5	99.7	.9	172.1	33.2	12.8	3.3	49.3	70.3	119.6	5.6	46.9
1984	46.9	138.8	1.6	187.3	35.8	13.9	2.8	52.5	62.1	114.6	8.0	64.7
1985	64.7	134.9	2.2	201.8	45.6	14.1	2.6	62.3	58.7	121.0	3.5	77.3
1986	77.3	133.4	2.6	213.3	53.1	15.0	2.6	70.7	84.2	154.9	7.0	51.4
1987	51.4	129.6	3.0	184.0	55.3	15.4	3.2	73.9	72.2	146.1	6.5	31.4
1988	31.4	159.9	4.2	195.4	58.7	15.5	3.0	77.2	85.6	162.8	6.0	26.7
1989 ⁵	26.7	154.5	4.7	185.9	60.5	15.7	3.0	79.2	77.0	156.2	6.0	23.7

¹ Consolidated supply and disappearance of rough and milled rice. Milled-rice data converted to a rough-rice basis using annually derived extraction rates as factors. ² Based on Bureau of Census reports. Estimates for 1969, and 1970 adjusted by ASCS data, based on bills of lading submitted to the USDA for export payments. ³ Results from losses in drying, storage, handling, and milling and from errors in estimation. ⁴ Less than 50,000 cwt.

⁵ Preliminary.

Economic Research Service. Totals may not add due to independent rounding.

Table 28.—Rice, by length of grain: Area, yield, and production, by States, 1987-89

State	Area harvested			Yield per acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
Long grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	876.0	1,075.0	1,030.0	5,170	5,340	5,580	45,259	57,447	57,458
CA.....	36.0	60.0	35.0	7,200	7,000	7,510	2,592	4,200	2,630
LA.....	262.0	388.0	295.0	4,610	4,520	4,450	12,079	17,538	13,128
MS.....	198.0	250.0	235.0	5,100	5,310	5,700	10,098	13,275	13,395
MO.....	63.0	80.0	78.0	5,430	5,100	5,200	3,420	4,080	4,056
TX.....	263.0	380.0	330.0	5,910	6,010	5,720	15,547	22,824	18,874
US.....	1,698.0	2,233.0	2,003.0	5,241	5,345	5,469	88,995	119,364	109,541
Medium grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	132.0	134.0	109.0	5,800	5,400	5,800	7,656	7,236	6,322
CA.....	295.0	315.0	325.0	7,600	7,000	8,000	22,496	22,050	26,000
LA.....	158.0	147.0	190.0	4,450	4,450	4,400	7,031	6,542	8,360
MS.....		10.0			5,050			505	
MO.....	3.0	2.0	1.0	4,800	5,100	5,200	144	102	52
TX.....	6.0	8.0	8.0	5,400	5,700	4,900	324	456	392
US.....	594.0	616.0	633.0	6,339	5,989	6,497	37,651	36,891	41,126
Short grain									
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	2.0	1.0	1.0	5,500	5,200	6,000	110	52	60
CA.....	39.0	50.0	50.0	7,300	7,180	7,520	2,847	3,590	3,760
US.....	41.0	51.0	51.0	7,212	7,141	7,490	2,957	3,642	3,820

¹ Preliminary.

National Agricultural Statistics Service.

Table 29.—Rice: Area, yield, and production, by States, 1987-89

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
AR.....	1,020.0	1,220.0	1,150.0	1,010.0	1,210.0	1,140.0	5,250	5,350	5,600	53,025	64,735	63,840
CA.....	374.0	430.0	415.0	370.0	425.0	410.0	7,550	7,020	7,900	27,935	29,840	32,390
LA.....	425.0	545.0	505.0	420.0	535.0	485.0	4,550	4,500	4,430	19,110	24,080	21,488
MS.....	200.0	265.0	240.0	198.0	260.0	235.0	5,100	5,300	5,700	10,098	13,780	13,395
MO.....	67.0	83.0	81.0	66.0	82.0	79.0	5,400	5,100	5,200	3,564	4,182	4,108
TX.....	270.0	390.0	340.0	269.0	388.0	338.0	5,900	6,000	5,700	15,871	23,280	19,266
US.....	2,356.0	2,933.0	2,731.0	2,333.0	2,900.0	2,687.0	5,555	5,514	5,749	129,603	159,897	154,487

¹ Preliminary.

National Agricultural Statistics Service.

Table 30.—Rice, milled, by length of grain: Stocks in all positions, United States, 1975-90

Year	Whole kernels (head rice)											
	Long grain				Medium grain				Short grain			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975	1,697	1,185	421	.....	1,130	1,233	660	130	224	773	293	87
1976	1,893	1,454	922	.....	1,197	2,052	1,630	63	137	137	99	461
1977	1,802	2,140	1,618	.....	742	1,453	1,667	222	410	162	367	186
1978	3,417	3,945	1,719	.....	1,704	1,704	1,008	559	376	497	958	1,177
1979	3,349	2,757	2,302	.....	795	1,722	706	380	720	525	144	207
1980	3,312	3,840	2,471	.....	1,983	2,039	824	141	123	98	163	88
1981	3,909	4,146	1,747	.....	1,702	2,731	1,595	154	67	109	409	418
1982	2,600	2,963	2,166	.....	1,025	1,862	1,917	237	289	751	527	176
1983	3,715	3,865	3,157	22	1,027	1,779	1,957	420	458	124	105	70
1984	3,040	3,943	2,703	18	1,192	2,104	1,186	131	197	61	68	71
1985	3,255	4,049	2,218	31	1,245	917	624	1,061	50	89	113	83
1986	1,988	1,370	2,607	255	662	614	600	1,752	54	124	24	633
1987	² 2,879	³ 2,090	3,540	63	² 584	³ 492	1,015	783	² 218	³ 29	194	210
1988	² 3,823	³ 4,661	3,801	82	² 656	³ 1,254	964	534	² 50	³ 136	48	64
1989	² 3,779	³ 5,268	2,875	86	² 914	³ 865	1,139	672	² 50	³ 36	131	62
1990 ⁴	² 3,099	³ 8,640	.....	.....	² 892	³ 1,041	.....	.....	² 74	³ 85	.....	.....

Year	Broken kernels ⁵											
	Second heads				Screenings				Brewers			
	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹	Jan. 1	Apr. 1	Aug. 1	Oct. 1 ¹
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975	731	830	672	34	141	112	37	.....	369	136	81	27
1976	897	1,190	969	7	125	88	111	.....	317	182	161	23
1977	1,121	1,283	1,002	35	75	430	154	.....	193	218	348	27
1978	692	1,004	509	92	81	102	65	.....	174	214	88	22
1979	952	1,285	1,026	180	112	139	68	.....	211	277	337	69
1980	500	507	403	63	31	152	49	.....	121	154	125	17
1981	684	591	930	276	65	66	43	.....	113	169	131	24
1982	884	946	691	416	90	83	73	.....	168	180	103	45
1983	759	847	394	186	85	125	119	.....	175	212	164	32
1984	870	772	938	204	153	211	93	.....	266	210	133	66
1985	874	586	605	147	99	108	66	.....	402	371	216	60
1986	1,301	908	772	315	106	37	79	.....	489	398	448	175
1987	² 1,122	³ 1,210	1,290	89	² 167	³ 144	221	.....	² 719	³ 594	584	106
1988	² 1,389	³ 1,041	690	146	² 243	³ 304	85	.....	² 524	³ 576	241	30
1989	² 1,141	³ 849	995	110	² 128	³ 48	222	.....	² 266	³ 214	470	33
1990 ⁴	² 876	³ 803	.....	.....	² 243	³ 94	.....	.....	² 572	³ 333	.....	.....

¹ California only.² Estimates for December 1, previous year.³ Estimates for March 1.⁴ Preliminary.⁵ Screenings in California are included in second heads.

National Agricultural Statistics Service.

Table 31.—Rice: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per cwt.			Value of production		
	1987	1988	1989 ^{1 2}	1987	1988	1989 ^{1 2}
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AR.....	7.60	6.90	.....	402,990	446,672	.....
CA.....	6.72	6.15	.....	187,723	183,516	.....
LA.....	7.65	6.90	.....	146,192	166,152	.....
MS.....	7.90	7.02	.....	79,774	96,736	.....
MO.....	7.41	7.22	.....	26,409	30,194	.....
TX.....	8.07	7.24	.....	128,079	168,547	.....
US.....	7.27	6.88	7.10	971,167	1,091,817	1,096,859

¹ State estimates not available. ² Preliminary.

National Agricultural Statistics Service.

Table 32.—Rice, milled: United States exports under specified Government programs, 1975-88

Year ¹	Public Law 480			Foreign donations Section 416 ⁵	Mutual security (AID) ⁶	Total specified Government programs
	Title I sales	Title II donations				
	Long-term dollar and convertible foreign currency credit sales ²	Government-to- government and World Food Program ³	Voluntary relief agencies ⁴			
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1975.....	11,228				111	11,339
(⁷).....	(10,007)					(10,007)
1976.....	14,572	198	357		8	15,135
1977.....	10,275	1,045	345			11,665
1978.....	9,224	1,135	315			10,674
1979.....	8,889	1,888	1,087			11,864
1980.....	5,449	1,583	893			7,925
1981.....	6,603	1,254	378			8,235
1982.....	8,829	988	657		2	10,476
1983.....	6,443	2,006	1,780			10,229
1984.....	9,599	2,051	1,072			12,722
1985.....	5,700	480	711			6,891
1986.....	6,342	2,251	808	1,314		10,715
1987.....	3,458	3,382	287	645	3	7,725
1988.....	5,178	2,597	1,223			8,998

¹ Year beginning July 1 for 1974-75 and Oct. 1 beginning 1976. ² Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.³ Authorized by Title II, P.L. 480.⁴ Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966.⁵ Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985.⁷ Foreign Assistance Act of 1961, as amended.⁸ Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 33.—Rice, rough: Price-support operations, United States, 1975-90

Marketing year beginning August	Support prices		Put under support ²		Acquired by CCC under support program ³	Owned by CCC ⁴
	Per/cwt. loan/target	Percentage of parity ¹ loan/target	Quantity	Percentage of production		
1975.....	8.52/—	65/—	21.5	16.8	17.3	17.3
1976.....	6.19/8.25	46/61	23.4	20.2	1.8	19.1
1977.....	6.19/8.25	44/59	19.5	19.7	.6	18.6
1978.....	6.40/8.53	42/55	27.1	20.3	.3	10.8
1979.....	6.79/9.05	38/51	26.1	19.8	.4	8.3
1980.....	7.12/9.49	38/50	25.0	17.1		1.7
1981.....	8.01/10.68	39/51	42.8	23.4	17.5	
1982.....	8.14/10.85	39/51	65.8	42.4	6.5	17.5
1983.....	8.14/11.40	39/34	40.0	40.1	25.7	22.3
1984.....	8.00/11.90	39/58	57.8	41.6	31.3	25.0
1985.....	8.00/11.90	41/61	74.7	55.4	16.3	44.3
1986.....	7.20/11.90	37/62	132.3	98.8	2.2	43.6
1987.....	6.84/11.66	36/62	125.7	98.4	.5	8.7
1988.....	6.63/11.15	33/56	⁶ 147.6	92.6	0	⁶ 1
1989.....	6.50/10.80	31/52	121.1	78.4	0	0
1990.....	6.50/10.71					

¹ Percentage of parity price as of the beginning of the marketing year. ² Includes loans made, purchases, and purchase agreements entered. ³ Acquisitions through loan forfeitures, crop year basis. ⁴ At beginning of market year. ⁵ Less than 50,000 cwt. ⁶ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 34.—Rice: United States exports (milled basis), by country of destination, 1987 and 1988

Country of destination	Year beginning August ¹		Country of destination	Year beginning August ¹	
	1987	1988		1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	82,598	89,215	Indonesia.....	3,583	61,154
Mexico.....	1,470	57,027	Iran.....	0	0
Bahamas.....	4,939	6,013	Iraq.....	433,176	521,411
Dominican Republic.....	6,754	20,438	Korea, Rep. of.....	166	190
Haiti.....	60,550	80,629	Bangladesh.....	85,344	0
Jamaica.....	51,158	70,582	Saudi Arabia.....	220,016	182,377
Netherlands Antilles.....	11,563	9,788	Total Asia, Middle East, and Oceania ²	1,084,006	1,131,522
Chile.....	18,983	1,020			
Total Western Hemisphere ²	316,781	598,753	Guinea.....	32,517	35,627
			Ivory Coast.....	8,770	16,003
Belgium-Luxembourg.....	112,829	131,916	Liberia.....	72,517	76,960
France.....	1,453	11,281	Nigeria.....	74	14
Germany, Fed. Rep. of.....	21,136	41,403	Senegal.....	120,124	98,859
Netherlands.....	55,649	72,122	South Africa.....	93,920	87,214
Portugal.....	73	6,511	Total Africa ²	527,640	488,800
Sweden.....	16,861	15,548			
Switzerland.....	74,097	95,514	World total ²	2,290,797	2,790,036
United Kingdom.....	16,897	26,619			
Total Europe ²	364,360	451,495			

¹ Marketing year. ² Includes countries not shown.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1987/88-1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³
	1,000 hect- ares	1,000 hect- ares	1,000 hect- ares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America:									
Costa Rica.....	40	43	55	3.43	3.65	3.53	137	157	194
Cuba.....	153	155	155	3.05	3.55	3.43	466	551	531
Dominican Republic.....	100	110	110	4.22	4.32	4.42	422	475	486
El Salvador.....	12	14	15	3.75	4.07	3.80	45	57	57
Guatemala.....	18	20	15	2.94	3.05	2.40	53	61	36
Haiti.....	45	45	45	2.60	2.60	2.60	117	117	117
Honduras.....	15	14	16	3.53	3.43	3.94	53	48	64
Jamaica & Dep.....	3	1	1	2.67	2.00	2.00	8	2	2
Mexico.....	150	120	140	3.80	3.33	3.86	570	399	540
Nicaragua.....	28	25	35	3.75	3.80	3.00	105	95	105
Panama.....	83	73	90	2.00	1.90	1.94	166	139	175
Trinidad and Tobago.....	10	10	10	3.00	3.00	3.00	30	30	30
United States.....	944	1,174	1,087	6.23	6.18	6.45	5,879	7,253	7,007
Total.....	1,601	1,804	1,774				8,051	9,384	9,344
South America:									
Argentina.....	100	108	105	3.80	4.15	3.91	380	448	411
Bolivia.....	94	120	90	1.91	1.62	1.59	180	194	143
Brazil.....	5,961	5,300	4,400	1.98	2.08	1.91	11,800	11,000	8,400
Chile.....	39	39	43	4.10	4.15	4.30	160	162	185
Colombia.....	389	423	410	4.56	4.43	4.43	1,775	1,875	1,817
Ecuador.....	139	126	130	3.04	3.44	3.46	423	433	450
Guyana.....	92	74	67	3.80	3.54	3.28	350	262	220
Paraguay.....	42	35	35	.57	2.00	2.00	24	70	70
Peru.....	215	209	218	4.65	4.59	4.09	1,000	960	891
Surinam.....	71	75	81	3.93	4.00	3.84	279	300	319
Uruguay.....	81	100	85	4.70	5.30	5.46	381	530	464
Venezuela.....	136	114	110	2.94	2.91	3.17	400	332	349
Total.....	7,359	6,723	5,724				17,152	16,566	13,519
Europe:									
France.....	12	14	17	4.92	5.29	5.41	59	74	92
Greece.....	18	21	16	6.44	5.43	6.75	116	114	108
Italy.....	191	199	207	5.83	5.62	6.22	1,113	1,119	1,287
Portugal.....	32	33	33	4.53	4.42	4.48	145	146	148
Spain.....	76	80	59	6.36	6.24	5.76	483	499	340
Total EC.....	329	347	332				1,916	1,952	1,975
Bulgaria.....	16	16	16	4.75	4.75	4.75	76	76	76
Hungary.....	15	12	12	3.20	4.00	2.83	48	48	34
Romania.....	47	48	50	3.28	3.33	3.50	154	160	175
Yugoslavia.....	10	9	6	4.80	4.11	5.00	48	37	30
Total Eastern Europe.....	88	85	84				326	321	315
Total Europe.....	417	432	416				2,242	2,273	2,290
Soviet Union (Europe and Asia).....	650	671	650	4.13	4.27	4.15	2,683	2,866	2,700
Africa:									
Algeria.....	1	1	1	1.00	1.00	1.00	1	1	1
Angola.....	20	20	20	1.15	1.15	1.00	23	23	20
Benin.....	8	9	8	1.38	1.44	1.38	11	13	11
Burkina.....	20	30	40	1.10	1.63	1.00	22	49	40
Cameroon.....	35	35	36	3.43	3.29	3.25	120	115	117
Chad.....	15	25	25	1.00	1.40	.88	15	35	22
Egypt.....	423	352	420	5.51	6.05	5.95	2,331	2,130	2,500
Gambia, The.....	20	25	25	1.20	1.60	1.64	24	40	41
Ghana.....	81	95	70	1.67	1.66	1.60	135	158	112
Guinea.....	445	435	435	1.08	1.08	1.08	480	469	471
Guinea-Bissau.....	165	165	165	.93	.95	.93	154	157	154
Ivory Coast.....	540	595	620	1.11	1.16	1.17	598	691	728
Kenya.....	10	11	12	3.80	3.18	3.00	38	35	36
Liberia.....	243	240	220	1.23	1.24	1.27	300	297	280
Madagascar.....	1,195	1,200	1,220	1.80	1.83	1.86	2,150	2,200	2,266
Malawi.....	19	20	20	1.42	1.50	1.50	27	30	30

See footnotes at end of table.

Table 35.—Rice, rough: Area, yield, and production in specified countries, 1987/88–1989/90 ¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued									
Mali.....	200	245	235	1.00	1.27	1.16	200	311	273
Mauritania.....	11	12	11	3.27	4.25	4.18	36	51	46
Morocco.....	8	8	1	4.25	4.00	5.00	34	32	5
Mozambique.....	55	50	50	.82	.90	.90	45	45	45
Niger.....	27	25	30	2.15	1.80	2.03	58	45	61
Nigeria.....	630	635	640	1.31	1.31	1.41	827	833	901
Senegal.....	74	80	84	1.82	1.83	1.96	135	146	165
Sierra Leone.....	385	360	370	1.41	1.30	1.36	543	467	503
Somalia.....	6	6	6	2.50	2.33	2.00	15	14	12
Sudan.....	7	7	7	1.43	1.43	1.43	10	10	10
Swaziland.....	2	2	2	2.50	2.50	2.50	5	5	5
Tanzania, United Republic of.....	340	402	410	1.88	1.55	1.74	639	624	714
Togo.....	23	33	22	.91	.91	.91	21	30	20
Zaire.....	276	275	275	.93	.93	.93	257	255	255
Zambia.....	9	10	11	1.33	1.30	1.45	12	13	16
Total.....	5,293	5,408	5,491				9,266	9,324	9,860
Asia:									
Afghanistan.....	210	210	210	2.26	2.29	2.27	475	480	477
Bangladesh.....	10,322	10,220	10,700	2.24	2.28	2.48	23,122	23,327	26,553
Brunei.....	3	3	3	2.00	2.00	2.00	6	6	6
Burma.....	4,483	4,527	4,733	2.54	2.76	2.85	11,400	12,500	13,500
Cambodia.....	1,600	1,700	1,550	1.25	1.38	1.35	2,000	2,349	2,100
China (Mainland).....	32,139	31,914	32,700	5.41	5.30	5.51	173,880	169,110	180,130
India.....	38,806	41,855	41,500	2.20	2.53	2.53	85,302	106,011	105,011
Indonesia.....	9,800	9,800	10,400	4.24	4.32	4.31	41,538	42,308	44,778
Iran.....	310	350	350	4.40	4.29	4.29	1,364	1,500	1,500
Iraq.....	55	55	55	2.73	2.73	2.73	150	150	150
Japan.....	2,146	2,132	2,097	6.19	5.83	6.17	13,284	12,419	12,934
Korea, Democratic People's Rep.....	880	880	880	6.36	6.36	6.36	5,594	5,594	6,900
Korea, Republic of.....	1,262	1,260	1,257	6.02	6.64	6.52	7,596	8,371	8,190
Laos.....	675	650	700	1.81	1.67	2.02	1,220	1,085	1,417
Malaysia.....	629	655	636	2.70	2.72	2.75	1,696	1,783	1,750
Nepal.....	1,333	1,350	1,400	1.78	1.78	2.41	2,372	2,402	3,380
Pakistan.....	1,963	2,042	2,107	2.48	2.35	2.29	4,862	4,800	4,830
Philippines.....	3,280	3,485	3,445	2.65	2.65	2.58	8,680	9,225	8,900
Saudi Arabia.....	1	1	1	3.00	3.00	3.00	3	3	3
Sri Lanka.....	680	820	690	3.13	3.02	2.99	2,125	2,478	2,063
Taiwan.....	501	471	477	4.79	4.95	4.94	2,402	2,333	2,358
Thailand.....	9,237	9,917	10,200	1.95	2.13	2.06	18,042	21,121	21,000
Turkey.....	65	70	75	3.78	3.63	3.08	246	254	231
Vietnam.....	5,577	5,750	5,900	2.74	2.92	3.05	15,286	16,800	18,000
Total.....	125,957	130,117	132,066				422,645	446,409	466,161
Oceania:									
Australia.....	107	102	112	7.06	7.90	8.19	755	806	917
World total.....	141,384	145,257	146,233				462,794	487,628	504,791

¹ Crop year beginning Aug. 1. Crops harvested in the Northern Hemisphere during the latter part of the year are combined with those harvested in Asia principally from November to May, and in the Southern Hemisphere harvested during the first part of the following year. ² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 36.—Rice, milled equivalent: ¹ International trade, 1987–89 ²

Continent and country	1987		1988		1989 ^a	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:						
Canada	0	85	0	135	0	148
El Salvador	0	5	0	5	0	20
Honduras	0	5	0	5	0	7
Mexico	0	0	0	0	0	174
Nicaragua	0	30	0	30	0	30
Panama	0	5	0	5	0	5
United States	2,444	80	2,247	109	2,973	125
Cuba	0	200	0	200	0	200
Jamaica	0	60	0	78	0	60
Trinidad and Tobago	0	55	0	40	0	55
Other	0	160	0	195	23	182
Total	2,444	685	2,247	802	2,996	1,006
South America:						
Argentina	150	0	160	0	130	0
Brazil	170	0	20	64	100	180
Guyana	69	0	56	0	26	0
Chile	0	20	0	25	0	25
Colombia	10	20	0	39	38	0
Ecuador	20	0	25	0	20	66
Peru	0	211	0	17	0	162
Surinam	116	0	69	0	100	0
Uruguay	190	0	244	0	251	0
Venezuela	0	0	40	61	0	18
Other	0	0	0	0	0	0
Total	725	251	604	206	665	451
Europe:						
Austria	0	70	0	57	0	60
Belgium-Luxembourg	129	172	115	164	108	160
Denmark	0	15	0	15	0	20
France	45	150	20	233	42	195
Germany, Fed. Rep. of	40	190	32	182	35	180
Greece	20	5	31	6	31	6
Italy	574	152	550	100	480	65
Netherlands	90	135	80	145	75	150
Norway	0	10	0	10	0	10
Portugal	0	49	0	56	2	116
Spain	23	79	81	60	180	105
Sweden	0	40	0	31	0	30
Switzerland	0	25	0	25	0	75
United Kingdom	10	210	11	212	10	235
Other	0	31	0	30	0	130
Total Western Europe	921	1,333	914	1,376	963	1,437
Germany, Dem. Rep. of	0	30	0	32	0	26
Hungary	0	55	0	55	0	55
Poland	0	90	0	100	0	100
Romania	0	15	0	15	0	10
Yugoslavia	0	0	0	0	0	15
Soviet Union	241	488	166	498	150	600
Other	0	80	0	80	0	80
Total Eastern Europe	241	758	166	783	150	886
Africa:						
Algeria	0	25	0	25	0	25
Angola	0	50	0	40	0	50
Zaire	0	70	0	75	0	85
Gambia	0	70	0	80	0	50
Ghana	0	60	0	90	0	85
Guinea	0	100	0	120	0	120
Ivory Coast	0	445	0	212	0	350
Liberia	0	100	0	92	0	110
Madagascar	0	125	0	70	0	130

See footnotes at end of table.

Table 36.—Rice, milled equivalent: ¹ International trade, 1987-89 ²—Continued

Continent and country	1987		1988		1989 ³	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued						
Mauritius.....		80	0	70	0	70
Mozambique.....		125	0	120	0	160
Nigeria.....		400	0	240	0	130
Senegal and Mauritania.....		395	0	400	0	470
Sierra Leone.....		94	0	84	0	95
South Africa.....		207	0	237	0	250
Egypt.....	105	20	97	15	100	10
Tanzania.....	14	50	0	45	0	60
Other.....	5	455	8	585	5	450
Total	119	2,871	105	2,944	105	2,700
Asia:						
Bangladesh.....		746	0	350	0	400
Saudi Arabia.....		500	0	431	0	525
Israel.....		65	0	65	0	60
Jordan.....		72	0	85	0	90
Lebanon.....		25	0	25	0	25
Turkey (Europe and Asia).....		110	0	130	40	175
Iraq.....		550	0	603	0	570
Syria.....		100	0	120	0	140
Iran.....		1,000	0	400	0	1,000
Burma.....	300		368		456	0
Sri Lanka.....		102	0	180	0	292
China.....	1,020	554	698	310	320	1,400
Taiwan.....	225	5	104	4	68	5
Hong Kong.....	5	375	5	400	5	380
India.....	350	5	200	650	400	500
Kampuchea.....		50	200	50	0	50
Laos.....		30	0	30	0	30
Vietnam, Soc. Rep. of.....	63	450	97	175	1,400	50
Indonesia.....	100	155	0	33	104	412
Japan.....		17	0	16	0	16
Korea, Rep. of.....		0	0	0	0	0
Korea, Dem. People's Rep.....	250		199	0	175	0
Malaysia.....		350	1	350	0	360
Singapore.....	25	210	25	210	25	210
Pakistan.....	1,226		950	0	779	0
Philippines.....		200	0	181	16	195
Thailand.....	4,355		4,791	0	6,037	0
Other.....	15	470	9	500	15	510
Total	7,939	6,887	7,697	5,148	9,840	7,345
Oceania:						
Australia.....	417	10	417	9	450	10
Other.....		115		100	0	0
Total	417	125	417	109	450	10
Other countries		30		458		150
World total	12,554	10,238	11,019	11,789	15,169	13,975

¹ Includes milled, semi-milled, broken, and rough rice in terms of milled. ² Calendar year. ³ Preliminary.
 Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers.

Table 37.—Food grains: Average price, selected markets and grades, 1975-88 ¹

Crop year ²	Kansas City			Minneapolis			Portland Wheat No. 1 Soft White	St. Louis Wheat, No. 2 Soft Red Winter
	Wheat, No. 1 Hard Winter, Ordinary Protein	Wheat, No. 1 Hard Winter, 13% protein	Wheat, No. 1 Soft Red Winter	Wheat, No. 1 Hard Amber Durum	Wheat, No. 1 Dark Northern Spring, 14% protein	Rye, No. 2		
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1975	3.74	4.16	3.52	5.05	4.42	2.84	3.88	3.46
1976	2.88	3.18	2.70	3.19	3.35	2.87	3.10	2.77
1977	2.72	2.81	2.54	3.31	2.88	2.53	3.09	2.54
1978	3.38	3.41	3.34	3.60	3.35	2.44	3.73	3.43
1979	4.25	4.34	4.04	4.99	4.21	2.47	4.22	4.10
1980	4.45	4.50	4.23	6.39	4.71	3.35	4.36	4.39
1981	4.27	4.30	3.67	4.21	4.29	3.80	4.20	3.66
1982	3.94	4.13	3.53	3.96	4.09	2.75	4.39	3.32
1983	3.84	4.14	3.58	4.57	4.30	2.50	3.95	3.62
1984	3.74	3.93	3.49	4.26	4.06	2.26	3.82	3.57
1985	3.28	3.62	3.16	3.45	3.94	2.32	3.72	3.26
1986	2.72	2.87	2.85	3.17	3.07	1.77	2.90	2.87
1987	2.96	3.14	2.97	3.57	3.15	1.79	3.06	2.95
1988	3.65	3.73	3.53	4.40	3.86	2.30	3.88	3.59

Crop year ²	Chicago Wheat, No. 2 Soft Red Winter	Denver Wheat, No. 1 Hard Winter	San Francisco Milled Rice Short	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice	
				Medium	Long	Medium	Long	Medium	Long
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
1975	3.54	3.33	20.65	15.85	17.20	17.10	18.10	17.35	18.35
1976	2.81	2.38	15.15	13.30	14.60	14.40	15.30	14.10	14.95
1977	2.56	2.16	20.25	20.55	21.40	19.10	21.25	20.60	21.75
1978	3.57	2.77	18.25	16.00	18.20	15.40	18.40	16.65	18.85
1979	4.24	3.54	22.00	21.40	22.05	21.50	22.25	22.05	22.40
1980	4.33	3.78	23.45	22.51	22.92	22.51	22.62	.....	22.81
1981	3.74	3.61	22.10	19.20	20.25	19.44	20.20	.....	21.30
1982	3.33	3.44	16.05	16.90	18.00	16.80	17.80	.....	18.70
1983	3.56	3.36	15.96	17.50	18.64	17.34	18.65	.....	19.88
1984	3.51	3.31	15.45	16.05	17.75	16.25	17.70	.....	18.60
1985	3.22	2.96	14.35	14.75	16.15	15.25	16.15	.....	16.80
1986	2.76	2.40	14.80	12.25	13.10	13.50	13.80	.....	14.60
1987	2.89	2.61	13.60	12.45	12.70	13.70	13.95	.....	13.15
1988	3.54	3.32	17.60	17.10	19.40	17.90	19.70	.....	20.30

¹ Simple average of daily prices.
August. n.a. not available.² For wheat and rye, crop year begins in June. For rice, crop year begins in August.

Agricultural Marketing Service.

Table 38.—Corn: Area, yield, production, disposition, and value, United States, 1975-89

Year	Corn for grain			Corn for silage		
	Area planted, all purposes 1,000 acres	Area harvested 1,000 acres	Yield per harvested acre Bushels	Production 1,000 bushels	Used on farms where produced 1,000 bushels	Sold 1,000 bushels
1975	78,719	67,625	86.4	5,840,757	2,121,088	3,719,669
1976	84,588	71,506	88.0	6,289,169	2,329,332	3,959,837
1977	84,328	71,614	90.8	6,505,041	2,546,330	3,958,711
1978	81,675	71,930	101.0	7,267,927	2,835,821	4,432,106
1979	81,394	72,400	109.5	7,928,139	2,976,268	4,951,871
1980	84,043	72,961	114.0	8,659,896	(3)	(3)
1981	84,577	73,551	113.9	8,318,650	(3)	(3)
1982	81,857	72,479	113.2	8,221,921	(3)	(3)
1983	80,517	71,897	104.7	7,672,130	(3)	(3)
1984	83,398	75,209	118.0	8,875,453	(3)	(3)
1985	76,580	68,907	119.4	8,225,764	(3)	(3)
1986	66,200	59,505	119.8	7,131,300	(3)	(3)
1987	67,717	58,250	84.6	4,928,681	(3)	(3)
1988	72,296	64,781	116.2	7,527,152	(3)	(3)
1989 ⁴						

¹ Includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ² Includes hogged or grazed and that cut and fed without removing grain. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 39.—Corn: Stocks on and off farms, United States, 1975-90

Year	On farms				Off farms ^a			
	Jan. 1	Apr. 1	June 1 ¹	Oct. 1 ²	Jan. 1	Apr. 1	June 1 ¹	Oct. 1 ²
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975.....	2,560,883	1,522,900	811,014	193,194	1,080,024	704,911	345,658	168,193
1976.....	3,203,242	1,923,759	1,292,185	233,193	1,270,300	912,996	576,640	166,459
1977.....	3,357,995	2,141,623	1,582,768	447,846	1,544,023	1,159,329	787,263	438,019
1978.....	3,873,623	2,549,170	1,872,359	666,727	1,678,678	1,360,245	988,779	444,708
1979.....	4,637,662	3,177,893	2,318,006	794,465	1,681,036	1,322,484	969,208	509,460
1980.....	5,035,688	3,437,303	2,551,625	920,453	1,844,484	1,416,321	1,092,648	696,597
1981.....	4,138,902	2,639,578	1,817,256	489,881	1,717,844	1,346,494	956,199	544,388
1982.....	4,986,266	3,591,813	2,734,195	1,243,331	1,934,436	1,506,394	1,145,921	930,675
1983.....	5,935,986	4,241,717	3,093,509	1,510,394	2,268,706	1,956,269	1,830,375	1,609,543
1984.....	3,079,963	1,933,652	1,213,068	347,853	1,832,904	1,317,558	932,007	375,370
1985.....	4,304,054	2,833,806	2,007,823	678,947	1,560,171	1,131,736	827,701	701,786
1986.....	5,528,559	3,981,992	3,143,067	.....	2,366,162	1,965,087	1,846,970	.....
Year beginning previous December	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1
1987.....	6,795,500	5,024,000	3,491,800	2,284,500	3,509,999	3,224,193	2,840,441	2,597,193
1988.....	6,100,000	4,421,000	3,241,000	2,002,800	3,671,003	3,214,590	2,585,217	2,256,286
1989.....	4,280,200	3,021,000	2,022,000	967,500	2,791,367	2,182,926	1,397,302	962,928
1990 ^a	4,698,800	2,910,500	1,619,500	.....	2,380,432	1,902,199	1,219,866	.....

¹ Prior to 1976, estimates are for July 1. ² Old crop only. ³ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 40.—Corn: Supply and disappearance, United States, 1975-89 ¹

Year beginning October	Supply				Disappearance				Ending stocks Sept. 30			
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ²	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1975.....	558	5,841	2	6,401	3,569	521	4,090	1,678	5,768	633	0	633
1976.....	633	6,289	3	6,925	3,590	542	4,132	1,657	5,789	1,136	0	1,136
1977.....	1,135	6,505	3	7,643	3,717	581	4,298	1,909	6,207	1,432	4	1,436
1978.....	1,436	7,268	1	8,705	4,264	607	4,871	2,124	6,995	1,609	101	1,710
1979.....	1,710	7,928	1	9,639	4,550	640	5,190	2,415	7,605	1,774	260	2,034
1980.....	2,034	6,639	1	8,674	4,156	718	4,874	2,408	7,282	1,150	242	1,392
1981.....	1,392	8,119	1	9,512	4,169	796	4,965	2,010	6,975	2,257	280	2,537
1982.....	2,537	8,235	1	10,773	4,522	894	5,416	1,834	7,250	2,380	1,143	3,523
1983.....	3,523	4,175	3	7,701	3,818	975	4,793	1,902	6,695	805	201	1,006
1984.....	1,006	7,674	4	8,684	4,080	1,091	5,171	1,865	7,036	1,423	225	1,648
1985.....	1,648	8,877	11	10,536	4,095	1,160	5,255	1,241	6,496	3,494	546	4,040
1986.....	4,040	8,250	2	12,291	4,714	1,192	5,905	1,504	7,410	3,438	1,443	4,882
1987.....	4,882	7,072	4	11,958	4,735	1,229	5,964	1,735	7,699	3,424	835	4,259
1988.....	4,259	4,929	3	9,191	3,987	1,245	5,232	2,028	7,260	1,567	363	1,930
1989 ³	1,930	7,527	2	9,460	4,550	1,280	5,830	2,350	8,180	1,055	225	1,280

¹ 1975 to date revised based on new crop year, Sept. 1-Aug. 31.

² Preliminary.

³ Includes total Government loans (original and resale).

Economic Research Service.

Table 41.—Corn: Area, yield, and production, by States, 1987–89

State	Area planted for all purposes			Corn for grain								
	1987	1988	1989 ¹	Area harvested			Yield per harvested acre			Production		
				1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	300	240	230	250	170	180	72.0	44.0	81.0	18,000	7,480	14,580
AZ.....	23	19	20	15	13	13	140.0	155.0	145.0	2,100	2,015	1,885
AR.....	70	65	62	65	60	58	115.0	100.0	122.0	7,475	6,000	7,076
CA.....	423	375	365	221	187	170	160.0	145.0	160.0	35,360	27,115	27,200
CO.....	800	910	1,050	690	800	930	155.0	160.0	145.0	106,950	128,000	134,850
CT ²	51	50	49	(³)	(³)	(³)						
DE.....	165	150	140	143	140	133	75.0	70.0	100.0	11,100	9,800	13,300
FL.....	140	100	115	105	65	80	69.0	58.0	74.0	7,245	3,770	5,920
GA.....	680	600	610	610	500	550	84.0	62.0	95.0	51,240	31,000	52,250
ID.....	110	110	130	50	50	50	130.0	130.0	125.0	6,500	6,500	6,250
IL.....	9,350	9,900	10,900	9,200	9,600	10,750	132.0	73.0	123.0	1,214,400	700,800	1,322,250
IN.....	5,000	5,200	5,350	4,880	5,000	5,200	135.0	83.0	133.0	658,800	415,000	691,600
IA.....	10,400	11,300	12,600	10,150	10,700	12,250	130.0	84.0	118.0	1,319,500	898,800	1,445,500
KS.....	1,350	1,250	1,370	1,230	1,150	1,240	120.0	125.0	125.0	147,600	143,750	155,000
KY.....	1,300	1,300	1,330	1,140	1,100	1,180	104.0	73.0	116.0	118,560	80,300	136,880
LA.....	225	145	150	211	125	132	102.0	95.0	95.0	21,522	11,875	12,540
ME ²	37	32	33	(³)	(³)	(³)						
MD.....	560	520	480	460	420	400	78.0	65.0	110.0	35,880	27,300	44,000
MA ²	40	39	38	(³)	(³)	(³)						
MI.....	2,300	2,100	2,300	1,980	1,600	1,970	97.0	70.0	113.0	192,060	112,000	222,610
MN.....	5,400	5,700	6,200	4,800	4,700	5,600	127.0	74.0	125.0	609,600	347,800	700,000
MS.....	210	200	180	150	150	140	80.0	60.0	70.0	12,000	9,000	9,800
MO.....	2,250	2,200	2,400	2,150	2,020	2,290	113.0	76.0	96.0	242,950	153,520	219,840
MT.....	80	90	80	15	20	4	105.0	110.0	80.0	1,575	2,200	320
NE.....	6,500	6,900	7,500	6,200	6,600	7,100	131.0	124.0	120.0	812,200	818,400	852,000
NH ²	21	19	19	(³)	(³)	(³)						
NJ.....	105	95	95	85	79	71	104.0	70.0	102.0	8,840	5,530	7,242
NM.....	68	75	85	49	55	63	155.0	155.0	155.0	7,595	8,525	9,765
NY.....	1,150	1,070	1,150	600	540	570	109.0	85.0	93.0	65,400	45,900	53,010
NC.....	1,250	1,100	1,050	1,100	970	950	68.0	84.0	93.0	74,800	81,480	88,350
ND.....	770	800	880	500	380	465	93.0	58.0	75.0	46,500	22,040	34,875
OH.....	3,300	3,300	3,150	3,100	3,000	2,900	120.0	85.0	118.0	372,400	255,000	342,200
OK.....	90	90	95	66	72	78	107.0	95.0	118.0	7,062	6,840	9,204
OR.....	55	50	50	24	19	22	165.0	158.0	160.0	3,960	3,002	3,520
PA.....	1,550	1,480	1,380	1,090	910	960	93.0	65.0	103.0	101,370	59,150	98,880
RI ²	3	3	2	(³)	(³)	(³)						
SC.....	420	380	390	375	335	340	78.0	58.0	91.0	29,250	19,430	30,940
SD.....	3,050	3,150	3,400	2,650	2,400	2,650	83.0	55.0	72.0	219,950	132,000	190,800
TN.....	730	680	650	580	530	530	91.0	73.0	107.0	52,780	38,690	56,710
TX.....	1,300	1,500	1,650	1,250	1,350	1,400	107.0	96.0	106.0	133,750	129,600	148,400
UT.....	70	70	65	20	22	20	140.0	124.0	132.0	2,800	2,728	2,640
VT ²	89	90	88	(³)	(³)	(³)						
VA.....	575	530	510	325	295	365	63.0	79.0	110.0	20,475	23,305	40,150
WA.....	120	120	130	80	80	90	170.0	170.0	175.0	13,600	13,600	15,750
WV.....	90	85	85	50	40	46	72.0	58.0	95.0	3,600	2,320	4,370
WI.....	3,550	3,450	3,600	2,800	1,950	2,800	118.0	67.0	111.0	330,400	130,650	310,800
WY.....	80	85	90	41	53	41	111.0	122.0	95.0	4,551	6,466	3,845
US.....	66,200	67,717	72,296	59,505	58,250	64,781	119.8	84.6	116.2	7,131,300	4,928,681	7,527,152

¹ Preliminary. ² All acreage harvested is for silage. ³ Not estimated.
National Agricultural Statistics Service.

Table 42.—Corn: Utilization for silage and forage, by States, 1987-89

State	Silage								
	Area harvested			Yield per acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL	22	20	25	10.0	8.0	10.0	220	160	250
AZ	8	6	7	23.0	27.0	27.0	184	162	189
AR	4	4	3	10.0	8.0	12.0	40	32	36
CA	196	182	189	26.0	23.0	24.0	5,096	4,186	4,536
CO	105	105	115	22.0	23.0	22.0	2,310	2,415	2,530
CT	46	43	43	18.0	18.0	16.5	828	774	710
DE	14	8	6	9.0	13.0	16.0	126	104	96
FL	15	12	22	14.5	13.5	16.0	218	162	352
GA	40	50	40	10.5	8.5	14.5	420	425	580
ID	48	58	78	22.0	23.0	23.5	1,056	1,334	1,833
IL	140	260	140	15.5	7.5	14.0	2,170	1,950	1,960
IN	110	150	120	18.0	11.5	16.5	1,980	1,725	1,980
IA	220	550	340	16.0	9.0	13.5	3,520	4,950	4,590
KS	100	95	105	15.0	14.0	14.0	1,500	1,330	1,470
KY	150	160	140	15.0	10.5	16.0	2,250	1,680	2,240
LA	12	12	14	13.0	14.0	16.0	156	168	224
ME	31	26	27	16.0	17.0	15.0	496	442	405
MD	95	95	75	12.0	10.0	16.0	1,140	950	1,200
MA	32	31	30	18.5	19.5	18.5	592	605	555
MI	300	450	300	13.0	7.5	13.0	3,900	3,375	3,900
MN	530	850	520	13.5	6.2	10.5	7,155	5,270	5,460
MS	50	35	25	13.0	10.0	12.0	650	350	300
MO	80	150	90	14.0	8.0	12.5	1,120	1,200	1,125
MT	64	67	75	18.0	19.0	18.0	1,152	1,273	1,350
NE	225	245	325	17.0	14.0	13.0	3,825	3,430	4,225
NH	19	17	17	19.0	19.0	19.5	361	323	332
NJ	19	14	22	15.0	10.0	14.0	285	140	308
NM	16	17	20	20.0	20.0	20.0	320	340	400
NY	530	525	550	15.0	13.0	13.0	7,950	6,825	7,150
NC	105	105	95	11.0	10.0	15.0	1,155	1,050	1,425
ND	230	300	340	7.5	3.0	3.7	1,725	900	1,258
OH	160	250	240	16.0	10.5	14.0	2,560	2,625	3,360
OK	23	13	14	16.0	14.0	12.0	368	182	168
OR	30	29	27	24.0	22.0	24.0	720	688	648
PA	450	550	400	14.5	10.0	15.0	6,525	5,500	6,000
RI	3	2	2	16.0	19.0	19.0	48	38	38
SC	32	31	25	12.0	8.5	13.5	384	264	338
SD	370	670	690	7.3	3.8	5.0	2,701	2,546	3,450
TN	140	125	110	13.0	10.0	15.0	1,820	1,250	1,650
TX	40	70	50	19.0	13.0	18.5	760	910	925
UT	47	47	44	21.0	20.0	19.0	987	940	836
VT	77	78	77	16.0	16.0	17.5	1,232	1,248	1,348
VA	225	230	140	9.5	12.0	16.0	2,138	2,760	2,240
WA	40	40	40	25.0	25.0	25.0	1,000	1,000	1,000
WV	36	37	38	11.5	8.5	15.5	414	315	589
WI	730	1,450	764	14.0	6.9	13.0	10,220	10,005	9,932
WY	35	30	47	19.0	18.0	16.0	665	540	752
US	5,994	8,294	6,606	14.4	9.5	13.1	86,442	78,791	86,243

¹ Preliminary.

National Agricultural Statistics Service.

Table 43.—Corn for grain: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	2.35	2.80	2.60	42,300	20,944	37,908
AZ.....	2.29	3.15	3.40	4,809	6,347	6,409
AR.....	1.73	2.31	2.30	12,932	13,860	16,275
CA.....	2.41	3.16	3.55	85,218	85,683	96,560
CO.....	1.95	2.54	2.20	208,553	325,120	296,670
DE.....	2.10	3.01	2.55	23,310	29,498	33,915
FL.....	1.85	3.00	2.30	13,403	11,310	13,616
GA.....	2.25	3.02	2.55	115,290	93,620	133,238
ID.....	2.20	3.10	2.90	14,300	20,150	15,125
IL.....	1.96	2.59	2.30	2,380,224	1,815,072	3,041,175
IN.....	2.08	2.65	2.30	1,370,304	1,099,750	1,590,680
IA.....	1.89	2.45	2.15	2,493,855	2,202,060	3,107,825
KS.....	1.84	2.60	2.25	271,584	373,750	343,750
KY.....	2.02	2.76	2.45	239,491	221,628	335,356
LA.....	1.90	2.80	2.55	40,892	33,250	31,977
MD.....	2.15	3.02	2.60	77,142	82,446	114,400
MI.....	1.97	2.53	2.20	378,358	283,360	489,742
MN.....	1.98	2.40	2.10	1,207,008	834,720	1,470,000
MS.....	2.30	3.10	2.60	27,600	27,900	25,480
MO.....	1.82	2.63	2.25	442,169	403,758	494,640
MT.....	2.20	3.15	2.60	3,465	6,930	832
NE.....	1.96	2.48	2.20	1,591,912	2,029,632	1,874,400
NJ.....	2.15	2.95	2.55	19,006	16,314	18,467
NM.....	2.04	2.91	2.45	15,494	24,808	23,924
NY.....	2.20	2.83	2.60	143,880	129,897	137,826
NC.....	2.15	2.91	2.60	160,820	237,107	229,710
ND.....	1.91	2.40	2.15	88,815	52,896	74,981
OH.....	1.95	2.61	2.35	725,400	665,550	804,170
OK.....	2.20	2.70	2.30	15,536	18,468	21,169
OR.....	2.20	3.04	2.80	8,712	9,126	9,856
PA.....	2.47	3.10	2.75	250,384	183,365	271,920
SC.....	2.10	2.95	2.40	61,425	57,319	74,256
SD.....	1.92	2.38	2.05	422,304	314,160	391,140
TN.....	1.95	2.75	2.40	102,921	106,398	136,104
TX.....	2.17	2.71	2.65	290,238	351,216	393,260
UT.....	2.40	3.15	2.70	6,720	8,593	7,128
VA.....	2.05	2.90	2.50	41,974	67,585	100,375
WA.....	2.15	3.00	2.85	29,240	40,800	44,888
WV.....	1.96	2.60	2.30	7,056	6,032	10,051
WI.....	2.01	2.55	2.20	664,104	333,158	683,760
WY.....	2.10	2.75	2.25	9,557	17,782	8,764
US.....	1.94	2.54	2.25	14,107,705	12,661,362	17,019,722

¹ Preliminary.

National Agricultural Statistics Service.

Table 44.—Corn: Area, yield, and production in specified countries, 1987/88–1989/90¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America:									
Canada.....	999	981	976	7.02	5.47	6.56	7,015	5,369	6,400
Costa Rica.....	62	59	65	1.44	1.32	1.62	89	78	105
Cuba.....	77	77	75	1.23	1.23	1.27	95	95	95
Dominican Republic.....	30	30	35	1.57	1.63	1.71	47	49	60
El Salvador.....	279	282	276	2.05	2.09	2.10	571	589	580
Guatemala.....	750	643	740	1.62	1.98	1.59	1,217	1,270	1,180
Haiti.....	200	175	175	.95	.91	.97	190	160	170
Honduras.....	327	333	355	1.31	1.32	1.39	428	440	495
Jamaica & Dep.....	3	3	3	1.67	1.67	1.67	5	5	5
Mexico.....	6,000	6,000	5,800	1.65	1.68	1.68	9,900	10,100	9,750
Nicaragua.....	191	200	200	1.45	1.33	1.35	277	265	270
Panama.....	94	70	85	.96	1.03	1.06	90	72	90
Trinidad and Tobago.....	3	3	3	1.67	1.67	1.67	5	5	5
United States.....	24,081	23,571	26,216	7.52	5.31	7.29	181,143	125,194	191,198
Total.....	33,096	32,427	35,004				201,072	143,691	210,403
South America:									
Argentina.....	2,600	1,700	1,700	3.46	2.94	3.06	9,000	5,000	5,200
Bolivia.....	329	245	310	1.65	1.43	1.50	543	351	465
Brazil.....	13,180	12,900	12,200	1.88	2.02	1.84	24,790	26,050	22,500
Chile.....	90	125	106	7.34	7.50	7.57	661	938	802
Colombia.....	664	759	785	1.37	1.38	1.42	908	1,044	1,118
Ecuador.....	146	170	163	1.60	1.34	1.47	234	228	240
Guyana.....	5	5	5	1.00	1.00	1.00	5	5	5
Paraguay.....	547	420	480	1.28	1.33	1.46	700	560	700
Peru.....	453	463	484	2.01	1.96	2.09	909	908	1,010
Uruguay.....	80	80	85	1.50	.88	1.18	120	70	100
Venezuela.....	685	640	500	1.81	2.00	1.80	1,240	1,281	900
Total.....	18,779	17,507	16,818				39,110	36,435	33,040
Europe:									
Belgium-Luxembourg.....	6	7	8	6.67	7.71	7.75	40	54	62
France.....	1,737	1,995	1,879	7.71	7.31	6.96	12,454	14,578	13,070
Germany, Fed. Rep. of.....	194	199	209	6.27	7.72	7.53	1,217	1,536	1,573
Greece.....	245	228	180	9.39	8.11	9.17	2,300	1,850	1,650
Italy.....	768	843	807	7.50	7.49	7.93	5,762	6,318	6,400
Portugal.....	220	250	260	2.82	2.59	2.59	620	647	674
Spain.....	540	556	510	6.53	6.40	6.08	3,526	3,557	3,100
Total EC.....	3,710	4,078	3,853				25,919	28,540	26,529
Austria.....	207	200	194	8.14	8.50	7.69	1,685	1,700	1,491
Sweden.....	3	3	3	4.00	4.00	4.00	12	12	12
Switzerland.....	20	25	24	7.20	9.48	8.13	144	237	195
Total Western Europe.....	3,940	4,306	4,074				27,760	30,489	28,227
Albania.....	90	95	95	4.00	4.21	4.21	360	400	400
Bulgaria.....	497	494	500	3.74	3.29	4.00	1,858	1,625	2,000
Czechoslovakia.....	220	215	215	5.27	4.42	4.65	1,160	950	1,000
German Dem. Rep.....	7	10	10	5.00	5.50	6.00	35	55	60
Hungary.....	1,144	1,103	1,084	6.32	5.47	6.22	7,234	6,028	6,747
Poland.....	32	40	40	4.56	5.10	5.00	146	204	200
Romania.....	2,900	2,900	2,800	3.62	3.45	3.21	10,500	10,000	9,000
Yugoslavia.....	2,218	2,269	2,265	4.00	3.39	4.12	8,863	7,697	9,338
Total Eastern Europe.....	7,108	7,126	7,009				30,156	26,959	28,745
Total Europe.....	11,048	11,432	11,083				57,916	57,448	56,972
Soviet Union (Europe and Asia)									
	4,573	4,431	4,500	3.24	3.62	3.56	14,808	16,030	16,000
Africa:									
Algeria.....	3	1	2	1.67	1.00	.50	5	1	1
Angola.....	480	480	460	.48	.57	.50	230	275	230
Benin.....	395	441	480	.68	.84	.79	267	372	380
Botswana.....	25	50	50	.32	.40	.40	8	20	20
Burkina.....	176	277	165	.74	.82	1.09	131	227	180
Burundi.....	150	145	145	1.03	1.10	1.03	155	160	150
Cameroon.....	450	440	450	.91	.97	1.00	410	425	450
Cape Verde.....	29	25	3	.72	.64	.67	21	16	2
Central African Republic.....	130	132	130	.49	.52	.50	64	68	65
Chad.....	60	62	70	.57	.76	.64	34	47	45
Congo (Brazzaville).....	33	33	32	.67	.64	.63	22	21	20
Egypt.....	823	825	843	4.97	5.20	5.37	4,087	4,287	4,524

See footnotes at end of table.

**Table 44.—Corn: Area, yield, and production in specified countries, 1987/88–1989/90¹—
Continued**

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/ 90 ³	1987/88	1988/89	1989/ 90 ³	1987/88	1988/89	1989/ 90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa—Continued									
Ethiopia.....	825	825	800	1.48	2.00	1.75	1,225	1,650	1,400
Gambia, The.....	13	13	14	1.15	1.23	1.79	15	16	25
Ghana.....	489	525	525	1.13	1.14	1.36	553	600	714
Guinea.....	50	55	50	1.00	1.09	1.00	50	60	50
Guinea-Bissau.....	0	0	30	0	0	.67	0	0	20
Ivory Coast.....	590	650	625	.70	.85	.80	415	550	500
Kenya.....	1,600	1,800	1,815	1.53	1.59	1.55	2,450	2,860	2,810
Lesotho.....	100	60	60	1.25	1.17	1.50	125	70	90
Madagascar.....	135	140	145	1.00	1.11	1.14	135	155	165
Malawi.....	1,182	1,180	1,180	1.04	1.14	1.19	1,225	1,350	1,400
Mali.....	125	153	175	1.44	1.40	1.31	180	214	230
Mauritania.....	1	11	1	1.00	.64	1.00	1	7	1
Morocco.....	368	396	406	.65	.90	.99	240	358	403
Mozambique.....	500	475	500	.40	.53	.55	200	250	275
Nigeria.....	2,000	2,200	2,000	.95	1.00	.95	1,900	2,200	1,900
Rwanda.....	75	75	72	1.49	1.33	1.25	112	100	90
Senegal.....	99	110	100	1.15	1.12	1.31	114	123	131
Sierra Leone.....	1	1	1	1.00	1.00	1.00	1	1	1
Somalia.....	230	230	230	1.54	1.67	1.09	355	385	250
South Africa, Republic of.....	3,657	3,778	3,600	1.93	3.28	2.50	7,075	12,384	9,000
Swaziland.....	55	60	65	1.56	1.25	1.69	86	75	110
Tanzania, United Republic of.....	1,725	1,850	1,950	1.37	1.26	1.54	2,360	2,335	3,000
Togo.....	225	227	150	.76	1.04	1.33	172	235	200
Tunisia.....	1	1	1	1.00	1.00	1.00	1	1	1
Uganda.....	325	325	325	1.48	1.42	1.42	480	460	460
Zaire.....	825	840	830	.93	.94	.93	765	790	770
Zambia.....	1,236	1,760	760	2.04	2.50	2.24	1,062	1,900	1,700
Zimbabwe.....	1,236	1,236	1,235	1.80	1.56	1.78	2,229	1,928	2,200
Total.....	19,706	20,887	20,475				28,960	36,976	33,963
Asia:									
Afghanistan.....	480	480	450	1.67	1.73	1.78	800	830	800
Bhutan.....	52	50	50	1.63	1.70	1.70	85	85	85
Burma.....	160	163	160	1.40	1.59	1.56	224	259	250
Cambodia.....	35	35	35	1.14	1.14	1.14	40	40	40
China (Mainland).....	20,193	19,692	20,352	3.92	3.93	3.88	79,150	77,350	78,930
India.....	5,561	5,946	6,000	1.03	1.40	1.33	5,721	8,332	8,000
Indonesia.....	2,675	2,850	2,600	1.79	1.82	1.85	4,800	5,200	4,800
Iran.....	48	48	48	1.25	1.25	1.25	60	60	60
Iraq.....	31	50	50	1.97	2.00	2.00	61	100	100
Israel.....	10	8	8	2.50	2.75	2.75	25	22	22
Japan.....	1	1	1	2.00	2.00	2.00	2	2	2
Jordan.....	1	1	1	1.00	1.00	1.00	1	1	1
Korea, Democratic People's Rep.....	450	450	450	6.44	6.44	6.44	2,900	2,900	2,900
Korea, Republic of.....	26	22	25	4.88	4.82	4.84	127	106	121
Lebanon.....	2	2	2	1.00	1.00	1.00	2	2	2
Malaysia.....	17	18	19	1.76	1.78	1.79	30	32	34
Nepal.....	630	620	650	1.28	1.37	1.60	805	850	1,040
Pakistan.....	856	866	870	1.32	1.39	1.44	1,127	1,204	1,250
Philippines.....	3,725	3,750	3,625	1.18	1.21	1.21	4,380	4,525	4,400
Saudi Arabia.....	2	2	2	1.00	1.00	1.00	2	2	2
Syria.....	36	49	57	1.58	1.84	1.75	57	90	100
Taiwan.....	82	81	85	3.96	4.06	4.00	325	329	340
Thailand.....	1,754	1,600	1,400	1.56	2.63	2.86	2,736	4,200	4,000
Turkey.....	590	580	600	4.07	3.79	3.00	2,400	2,200	1,800
Vietnam.....	430	430	430	1.34	1.40	1.40	575	600	600
Yemen (Sanaa).....	35	40	40	1.29	1.38	1.13	45	55	45
Total.....	37,882	37,834	38,011				106,480	109,376	109,724
Oceania:									
Australia.....	59	58	56	3.75	3.62	3.61	221	210	202
New Zealand.....	20	19	15	9.75	8.68	9.27	195	165	139
Total.....	79	77	71				416	375	341
World total.....	125,163	124,595	125,962				448,762	400,331	460,443

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1987 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1987 and ends early in 1988.

² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 45.—Corn: Price-support operations, United States, 1975-90

Marketing year	Support price				Put under support ²		Acquired by CCC under support program ³	Owned by CCC at end of marketing year ⁷
	Per bushel		Percentage of parity ¹		Quantity	Percent- age of produc- tion		
	Loan	Target	Loan ⁷	Target ⁷				
	Dollars	Dollars	Percent	Percent	Million bushels	Percent	Million bushels	Million bushels
1975/76.....	1.10	1.38	36	45	148	2.6		
1976/77.....	1.50	1.57	46	48	276	4.4		
1977/78.....	2.00	2.00	58	58	1,159	18.0	12	4
1978/79.....	2.00	2.10	54	57	641	9.0	81	101
1979/80.....	2.10	2.20	50	53	557	7.0	160	260
1980/81.....	* 2.25-2.40	* 2.35-2.05	49-52	51-44	840	12.6	1	242
1981/82.....	* 2.40-2.55	2.40	49-52	49	1,978	24.1	172	280
1982/83.....	* 2.55-2.90	2.70	50-57	53	1,579	19.2	* 349	* 1,150
1983/84.....	2.65	2.86	51	55	162	3.9	9	202
1984/85.....	2.55	3.03	48	57	1,100	14.3	65	225
1985/86.....	2.55	3.03	50	59	3,158	35.6	580	546
1986/87.....	1.92	3.03	39	61	4,894	59.5	1,332	1,443
1987/88.....	1.82	3.03	37	61	4,186	58.7	787	835
1988/89.....	1.77	2.93	35	57	756	15.3	151	363
1989/90.....	1.65	2.84	31	53	920	12.2	* 360	* 225
1990/91 *.....	1.57	2.75						

¹ Percentage of parity price as of the beginning of the marketing year. ² Represents loans made, purchases, and purchase agreements entered into. Percentage of production is on a grain basis. ³ Acquisition of all loans forfeited during the marketing year including loans made in previous year. For 1979, acquired through direct purchases by CCC. ⁴ Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve. ⁵ Producers who exceed their NCA will be eligible for the Lower Target price. ⁶ Includes Payment-In-Kind purchases. ⁷ Change in 1986 marketing year from October 1 to September 1 reflect adjustments made in supply/use and prices starting in 1975. ⁸ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 46.—Corn: United States exports (domestic), by country of destination, 1987 and 1988

Country of destination	Year ¹		Country of destination	Year ¹	
	1987	1988		1987	1988
	Metric tons	Metric tons		Metric tons	Metric tons
Corn:			Korea, Rep. of.....	4,416,799	4,590,881
Canada.....	158,645	703,938	Taiwan.....	4,169,694	3,625,316
Mexico.....	3,113,356	3,116,270	Japan.....	14,816,253	13,016,488
Venezuela.....			Other Asia.....	838,348	2,270,985
Peru.....	439,604	121,689	Total Asia.....	24,241,094	23,503,670
Brazil.....	0	19,932	Egypt.....	1,014,447	906,467
Chile.....	262,636	82,688	Nigeria.....		0
Other Americas.....	1,048,643	367,002	Other Africa.....	1,511,759	1,365,586
Total Americas.....	5,040,884	4,411,519	Total Africa.....	2,526,206	2,272,053
EC.....	320,680	285,635	Other countries.....	3,260,114	1,817,203
Spain.....	1,832,027	1,279,703	World total.....	44,207,504	50,502,938
Portugal.....	604,154	526,917			
Other Western Europe.....	74,280	97,019	Relief or charity ²	220,979	
Total W. Europe.....	2,831,141	2,189,274			
E. Germany.....	494,997	1,436,467			
Poland.....	5,170	0			
Soviet Union.....	4,976,077	14,872,752			
Other E. Europe.....	831,821	0			
Total E. Europe and Soviet Union.....	6,308,065	16,309,219			

¹ Year beginning Oct. 1. ² Included in world total by country of destination. n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 47.—Oats: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers ²	Value of produc- tion ²
	Planted ¹	Harvested						
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	16,434	13,038	49.0	638,960	395,164	243,796	1.45	923,568
1976.....	16,620	11,834	45.7	540,441	350,349	190,092	1.56	835,180
1977.....	17,732	13,485	55.8	752,774	457,385	295,389	1.09	823,368
1978.....	16,407	11,126	52.3	581,657	365,615	216,042	1.20	688,625
1979.....	13,960	9,682	54.4	526,748	(³)	(³)	1.33	713,834
1980.....	13,381	8,657	53.0	458,792	(³)	(³)	1.72	812,741
1981.....	13,632	9,407	54.2	509,529	(³)	(³)	1.88	954,474
1982.....	13,951	10,258	57.8	592,630	(³)	(³)	1.49	883,167
1983.....	20,289	9,072	52.6	476,961	(³)	(³)	1.62	794,520
1984.....	12,414	8,163	58.0	473,661	(³)	(³)	1.67	797,854
1985.....	13,255	8,177	63.7	520,800	(³)	(³)	1.23	644,765
1986.....	14,691	6,860	56.3	386,356	(³)	(³)	1.21	470,625
1987.....	17,907	6,888	54.3	373,713	(³)	(³)	1.56	605,599
1988.....	13,910	5,533	39.3	217,600	(³)	(³)	2.61	532,621
1989 ⁴	12,080	6,874	54.4	373,778	(³)	(³)	1.50	557,486

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 48.—Oats: Stocks on and off farms, United States, 1975-89

Year beginning October	On farms				Off farms ²			
	Oct. 1	Jan. 1	Apr. 1	June 1 ¹	Oct. 1	Jan. 1	Apr. 1	June 1 ¹
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	485,856	398,688	247,174	158,541	130,775	94,092	70,101	46,277
1976.....	417,306	337,132	210,649	128,692	112,445	73,477	47,459	35,603
1977.....	564,095	485,267	360,516	259,548	115,459	82,707	61,317	53,556
1978.....	530,881	465,769	317,307	229,267	115,008	81,016	64,291	50,703
1979.....	465,607	400,817	284,280	198,312	102,310	76,007	55,324	38,096
1980.....	395,400	329,395	211,841	148,927	89,342	61,720	44,393	28,027
1981.....	384,681	314,132	199,279	127,119	73,745	51,101	36,172	24,813
1982.....	462,795	378,834	259,043	181,178	95,287	74,462	59,972	38,650
1983.....	425,665	322,127	226,553	151,129	79,090	56,404	43,300	29,815
1984.....	398,558	300,332	211,676	146,450	76,540	57,727	44,676	33,428
1985.....	417,387	311,207	(³)	147,181	94,993	68,426	(³)	36,534
1986 ⁴.....	.....	.....	(³)	103,300	.....	.....	(³)	29,446
1987.....	.....	.....	(³)	76,900	.....	.....	(³)	35,129
1988.....	.....	.....	(³)	59,930	.....	.....	(³)	38,404

Year beginning September	On farms				Off farms ²			
	Sept. 1	Dec. 1	Mar. 1	June 1 ¹	Sept. 1	Dec. 1	Mar. 1	June 1 ¹
1989 ⁵ ⁶	140,000	82,850	.....	.....	74,747	74,590

¹ Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July 1. ² Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ³ Discontinued. ⁴ Per program modification estimates available only for June 1.

⁵ Per program modifications: stocks estimates for oats were restored for Sept. 1, Dec. 1, and Mar. 1. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 49.—Oats: Supply and disappearance, United States, 1975-89

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Begin- ning stocks	Produc- tion	Im- ports	Total	Domestic use			Exports	Total disap- pearance	Pri- vately held ¹	Govern- ment	Total
					Feed and residu- al	Food and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1975	224	639	1	864	559	86	645	14	659	180	25	205
1976	205	540	1	746	484	88	572	10	582	164	0	164
1977	164	753	2	919	509	85	594	12	606	313	0	313
1978	313	582	1	896	526	77	603	13	616	277	3	280
1979	280	527	1	808	492	76	568	4	572	233	3	236
1980	236	459	1	696	432	74	506	13	519	175	2	177
1981	177	510	2	689	453	77	530	7	537	151	1	152
1982	152	593	4	749	441	85	526	3	529	219	1	220
1983	220	477	30	727	466	78	544	2	546	179	2	181
1984	181	474	34	689	434	74	508	1	509	178	2	180
1985	180	521	28	728	460	83	542	2	545	182	2	184
1986	184	386	33	603	395	73	468	3	471	129	4	133
1987	133	374	46	553	361	79	440	1	441	108	4	112
1988	112	218	63	393	194	100	294	0	294	96	2	98
1989 ³	98	374	73	545	272	115	387	1	388	156	1	157

¹ Includes total Government loans (original and resale).² Less than 500,000 bushels.³ Preliminary.

Economic Research Service.

Table 50.—Oats: Price-support operations, United States, 1975/76-1990/91

Year beginning July ¹	Support price				Put under support ³		Acquired by CCC under support pro- gram ⁴	Owned by CCC at end of market- ing year
	Per bushel		Percentage of parity ²		Quantity	Percent- age of produc- tion		
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1975/76.....	0.54		38		3.9	0.6		
1976/77.....	.72		45		4.6	.8		
1977/78.....	1.03		59		82.9	11.0		
1978/79.....	1.03		54		25.1	4.2	1.3	2.7
1979/80.....	1.08		50		12.0	2.2	.2	2.7
1980/81.....	⁵ 1.16-1.23		50-53		6.3	1.4		2.3
1981/82.....	⁵ 1.24-1.31		47-50		9.7	1.9	.4	.7
1982/83.....	⁵ 1.31-1.49	1.50	47-53	54	9.2	1.5	.7	.7
1983/84.....	1.36	1.60	46	54	3.6	.8	.8	1.4
1984/85.....	1.31	1.60	42	52	⁵ 3.2	.7	.1	1.4
1985/86.....	1.31	1.60	43	53	5.6	1.1	1.1	1.9
1986/87.....	.99	1.60	35	56	7.8	2.0	1.9	3.5
1987/88.....	.94	1.60	34	58	2.9	.8	.5	3.5
1988/89.....	.90	1.55	32	55	⁶ 1.0	.5	.1	2.4
1989/90.....	.85	1.50	27	48	1.8	.5	⁶ 1	⁶ 7
1990/91 ⁷ .....	.81	1.45						

¹ Marketing year for 1975/76 began on July 1. Marketing year for 1976/77 and all subsequent years begins on June 1.² Percentage of the parity price as of the beginning of the marketing year.³ Includes loans made, purchases, and purchase agreements entered into. Higher figure denotes reserve loan rate.⁴ Acquisitions and loans forfeited during the marketing year including loans made in previous year.⁵ Smaller value is regular loan; larger value is loan rate for crops in the farmer-owned reserve.⁶ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 51.—Oats: Area, yield, and production, by States, 1987–89

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	45	35	45	25	20	25	50.0	55.0	55.0	1,250	1,100	1,375
AR.....	22	40	60	18	35	52	70.0	90.0	73.0	1,260	3,150	3,795
CA.....	380	365	400	40	35	45	70.0	78.0	70.0	2,800	2,730	3,150
CO.....	100	110	95	50	60	55	54.0	50.0	55.0	2,700	3,000	3,025
GA.....	55	80	90	30	45	70	55.0	63.0	59.0	1,650	2,835	4,130
ID.....	65	70	90	36	45	60	75.0	68.0	68.0	2,700	3,060	4,080
IL.....	2,100	1,400	700	190	180	200	69.0	51.0	85.0	13,110	9,180	17,000
IN.....	600	350	200	95	75	95	67.0	40.0	72.0	6,365	3,000	6,840
IA.....	4,200	2,100	1,550	650	500	750	57.0	50.0	72.0	37,050	25,000	54,000
KS.....	240	225	280	155	150	200	42.0	39.0	45.0	6,510	5,850	9,000
KY.....	27	30	24	7	8	8	52.0	50.0	60.0	364	400	480
ME.....	42	42	40	38	39	37	75.0	75.0	70.0	2,850	2,925	2,590
MD.....	19	20	28	19	17	24	56.0	52.0	55.0	896	884	1,320
MI.....	350	300	330	300	200	300	57.0	30.0	67.0	17,100	6,000	20,100
MN.....	2,100	1,700	1,250	800	750	850	57.0	33.0	55.0	45,600	24,750	46,750
MO.....	150	110	110	77	40	60	41.0	38.0	60.0	3,157	1,520	3,600
MT.....	235	210	250	110	90	145	55.0	31.0	46.0	6,050	2,790	6,670
NE.....	810	650	500	360	320	240	49.0	38.0	36.0	17,640	12,160	8,640
NJ.....	6	6	8	5	4	6	52.0	50.0	44.0	260	200	264
NY.....	230	180	180	180	145	155	60.0	52.0	59.0	10,800	7,540	9,145
NC.....	105	100	100	60	55	55	59.0	70.0	57.0	3,540	3,850	3,135
ND.....	1,050	1,100	1,150	700	400	650	52.0	18.0	31.0	36,400	7,200	20,150
OH.....	350	300	300	250	200	250	70.0	45.0	63.0	17,500	9,000	15,750
OK.....	160	140	130	60	65	60	38.0	42.0	34.0	2,280	2,730	2,040
OR.....	90	95	105	65	65	70	80.0	100.0	98.0	5,200	6,500	6,860
PA.....	290	290	280	260	260	255	57.0	50.0	54.0	14,820	13,000	13,770
SC.....	60	85	70	33	48	40	54.0	63.0	59.0	1,782	3,024	2,360
SD.....	1,400	1,400	1,450	1,150	800	1,100	46.0	25.0	40.0	52,900	20,000	44,000
TX.....	1,100	1,100	1,100	220	200	200	45.0	45.0	33.0	9,900	9,000	6,600
UT.....	28	32	36	14	14	17	69.0	72.0	74.0	966	1,008	1,258
VA.....	35	35	27	11	12	9	48.0	53.0	55.0	528	636	495
WA.....	75	80	85	30	35	45	66.0	67.0	63.0	1,980	2,345	2,835
WV.....	13	10	10	8	6	6	50.0	48.0	50.0	400	288	300
WI.....	1,300	1,050	940	800	580	710	54.0	34.0	66.0	43,200	19,720	46,860
WY.....	75	70	67	45	35	30	49.0	35.0	47.0	2,205	1,225	1,410
US.....	17,907	13,910	12,080	6,888	5,533	6,874	54.3	39.3	54.4	373,713	217,600	373,778

¹ Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.² Preliminary.

National Agricultural Statistics Service.

Table 52.—Oats and oatmeal: United States exports, by country of destination, 1987 and 1988 ¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1987	1988		1987	1988
	Metric tons	Metric tons		Metric tons	Metric tons
Oats:			Oatmeal: ³		
Mexico.....	655	5,463	Mexico.....	25	24
Nicaragua.....	0	0	Central America.....	2,377	781
Panama.....	0	0	Peru.....	0	0
Colombia.....	76	83	Ecuador.....	880	0
Venezuela.....	0	0	Bolivia.....	4,482	0
E. Europe, Soviet Union, and			Other Americas.....	684	126
Poland.....	0	0	Other countries.....	270	911
Other countries.....	6,218	5,521			
World total ²	6,949	11,067	World total.....	8,718	1,037

¹ Year beginning Oct. 1. ² Transshipments through Canada have been included in data for countries of ultimate destination. ³ In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 53.—Oats: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.40	1.95	1.25	1,750	2,145	1,719
AR.....	1.63	1.99	1.35	2,054	6,269	5,125
CA.....	1.80	2.45	1.70	5,040	6,689	5,335
CO.....	1.60	2.45	1.45	4,320	7,350	4,386
GA.....	1.64	1.81	1.65	2,706	5,131	6,815
ID.....	1.45	2.05	1.45	3,915	6,273	5,916
IL.....	1.69	2.58	1.40	22,156	23,684	23,800
IN.....	1.58	2.76	1.60	10,057	8,280	10,944
IA.....	1.68	2.85	1.50	62,244	71,250	81,000
KS.....	1.60	2.50	1.60	10,416	14,625	14,400
KY.....	1.80	2.50	1.55	655	1,000	744
ME.....	1.10	1.70	1.25	3,135	4,973	3,238
MD.....	1.30	2.29	1.55	1,165	2,024	2,046
MI.....	1.59	2.65	1.45	27,189	15,900	29,145
MN.....	1.62	2.59	1.60	73,872	64,103	74,800
MO.....	1.55	3.25	1.65	4,893	4,940	5,940
MT.....	1.49	2.26	1.45	9,015	6,305	9,672
NE.....	1.62	2.39	1.55	28,577	29,062	13,392
NJ.....	1.70	1.85	2.05	442	370	541
NY.....	1.62	2.18	1.30	17,496	16,437	11,889
NC.....	1.40	1.60	1.70	4,956	6,160	5,330
ND.....	1.57	2.34	1.20	57,148	16,848	24,180
OH.....	1.53	2.61	1.45	26,775	23,490	22,838
OK.....	1.75	2.10	2.15	3,990	5,733	4,386
OR.....	1.58	2.18	1.50	8,216	14,170	10,290
PA.....	1.83	2.34	1.65	27,121	30,420	22,721
SC.....	1.45	1.80	1.50	2,584	5,443	3,540
SD.....	1.70	2.57	1.50	89,930	51,400	66,000
TX.....	2.00	2.42	2.20	19,800	21,780	14,520
UT.....	1.70	2.56	1.70	1,642	2,580	2,139
VA.....	1.25	1.75	1.95	660	1,113	965
WA.....	1.40	2.05	1.40	2,772	4,807	3,969
WV.....	1.45	2.60	1.45	580	749	435
WI.....	1.50	2.44	1.35	64,800	48,117	63,261
WY.....	1.60	2.45	1.45	3,528	3,001	2,045
US.....	1.56	2.61	1.50	605,599	532,621	557,486

¹ Preliminary.

National Agricultural Statistics Service.

Table 54.—Oats: Area, yield, and production in specified countries, 1987/88-1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada.....	1,263	1,371	1,750	2.37	2.18	2.03	2,995	2,993	3,549
Mexico.....	100	100	110	1.00	1.00	1.00	100	100	110
United States.....	2,787	2,239	2,782	1.95	1.41	1.95	5,424	3,158	5,425
Total.....	4,150	3,710	4,642				8,519	6,251	9,084
South America:									
Argentina.....	500	355	430	1.30	1.27	1.44	650	451	620
Brazil.....	140	119	200	1.26	1.13	1.20	176	135	240
Chile.....	61	69	75	2.57	2.42	2.37	157	167	178
Colombia.....	3	3	3	1.33	1.33	1.33	4	4	4
Ecuador.....	1	1	1	1.00	1.00	1.00	1	1	1
Uruguay.....	58	78	80	1.00	.74	.75	58	58	60
Total.....	763	625	789				1,046	816	1,103

See footnotes at end of table.

Table 54.—Oats: Area, yield, and production in specified countries, 1987/88–1989/90¹—
Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe:									
Belgium-Luxembourg	21	22	20	3.90	4.36	3.15	82	96	63
Denmark	18	43	28	5.22	4.70	4.29	94	202	120
France	267	261	259	3.91	3.77	3.78	1,045	984	979
Germany, Fed. Rep. of	559	576	515	4.30	4.23	3.78	2,406	2,434	1,946
Greece	40	40	40	1.55	1.83	1.55	62	73	62
Ireland	20	20	19	5.00	4.90	5.53	100	98	105
Italy	176	171	167	2.05	2.24	1.71	361	383	285
Netherlands	9	13	8	5.22	4.62	4.00	47	60	32
Portugal	197	167	188	.79	.49	.69	155	81	130
Spain	353	335	345	1.42	1.60	1.43	502	537	494
United Kingdom	99	120	119	4.55	4.50	4.33	450	540	515
Total EC	1,759	1,768	1,708				5,304	5,488	4,731
Austria	69	69	67	3.57	3.96	3.72	246	273	249
Finland	368	388	446	2.21	2.21	3.24	813	857	1,444
Norway	124	124	125	3.87	3.09	3.53	480	383	441
Sweden	397	424	412	3.63	3.14	3.56	1,440	1,330	1,466
Switzerland	8	9	9	4.75	5.33	5.33	38	48	48
Total Western Europe	2,725	2,782	2,767				8,321	8,379	8,379
Albania	20	20	20	1.50	1.50	1.50	30	30	30
Bulgaria	25	25	25	1.20	1.40	1.20	30	30	30
Czechoslovakia	120	115	115	3.93	3.13	3.48	400	360	400
German Dem. Rep.	149	148	143	4.28	3.43	3.33	637	507	476
Hungary	40	42	42	2.48	3.19	3.10	99	134	130
Poland	856	850	803	2.84	2.61	2.74	2,428	2,222	2,200
Romania	70	75	75	1.43	2.13	1.87	100	160	140
Yugoslavia	140	135	144	1.66	1.87	1.94	232	253	279
Total Eastern Europe	1,420	1,410	1,367				3,956	3,701	3,685
Total Europe	4,145	4,192	4,134				12,277	12,080	12,064
Soviet Union (Europe and Asia)	11,790	10,946	10,600	1.57	1.40	1.56	18,495	15,287	16,500
Africa:									
Algeria	150	108	100	.50	.28	.54	75	30	54
Morocco	47	54	31	.70	.94	.97	33	51	30
South Africa, Rep. of	450	400	400	.13	.13	.11	60	50	45
Total	647	562	531				168	131	129
Asia:									
China (Mainland)	582	562	550	1.1	1.19	1.15	642	670	630
Japan	5	5	4	2.0	2.0	2.0	10	10	8
Turkey	157	155	154	1.97	1.94	1.75	310	300	270
Total	744	722	708				962	980	908
Oceania:									
Australia	1,316	1,327	1,127	1.32	1.49	1.49	1,738	1,977	1,677
New Zealand	18	19	20	3.61	3.74	3.7	65	71	74
Total	1,334	1,346	1,147				1,803	2,048	1,751
World total	23,573	22,103	22,551				43,270	37,593	41,539

¹ Years shown refer to years of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1987 is combined with estimates for the Southern Hemisphere harvest, which begins late in 1987 and ends early in 1988.

² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 55.—Barley: Area, yield, production, disposition, and value, United States, 1975–89

Year	Area		Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel received by farmers ²	Value of production ²
	Planted ¹	Harvested						
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1975.....	9,373	8,617	44.0	379,162	101,667	277,495	2.42	905,923
1976.....	9,301	8,439	45.4	383,007	101,454	281,553	2.25	852,256
1977.....	10,778	9,728	44.0	427,784	115,948	311,836	1.78	760,043
1978.....	9,989	9,248	49.2	454,759	120,321	334,438	1.92	871,070
1979.....	8,116	7,527	50.9	383,201	(³)	(³)	2.27	1,016,842
1980.....	8,320	7,260	49.7	361,135	(³)	(³)	2.79	1,154,497
1981.....	9,618	9,038	52.4	473,512	(³)	(³)	2.48	1,143,209
1982.....	9,549	9,013	57.2	515,935	(³)	(³)	2.18	1,268,906
1983.....	10,422	9,731	52.3	508,925	(³)	(³)	2.47	1,356,316
1984.....	11,957	11,231	53.4	599,204	(³)	(³)	1.98	1,132,537
1985.....	13,156	11,603	51.0	591,353	(³)	(³)	1.61	993,905
1986.....	13,059	12,007	50.8	610,522	(³)	(³)	1.81	967,008
1987.....	10,928	9,957	52.4	521,499	(³)	(³)	2.30	775,229
1988.....	9,831	7,536	38.0	289,994	(³)	(³)	2.40	950,080
1989 ⁴	9,175	8,303	48.6	403,443	(³)	(³)		

¹ Barley sown for all purposes, including barley sown in the preceding fall. ² Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ³ Estimates discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 56.—Barley: Stocks on and off farms, United States, 1975–89

Year beginning October	On farms				Off farms ²			
	Oct. 1	Jan. 1	Apr. 1	June 1 ¹	Oct. 1	Jan. 1	Apr. 1	June 1 ¹
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975.....	214,939	161,797	98,652	63,693	126,963	113,508	86,360	64,666
1976.....	213,370	157,605	92,152	52,959	152,354	117,511	97,316	73,448
1977.....	270,105	221,954	150,128	105,682	139,334	110,266	89,043	67,377
1978.....	342,521	277,020	198,700	149,428	129,612	114,165	97,753	78,615
1979.....	311,704	246,489	166,089	112,430	150,319	119,210	96,271	79,701
1980.....	249,915	185,787	113,503	74,489	142,735	117,842	89,994	62,836
1981.....	298,703	227,437	144,947	92,110	148,001	101,895	79,394	55,687
1982.....	348,598	289,864	195,732	136,771	147,507	124,225	98,198	79,926
1983.....	344,312	244,836	169,327	116,998	171,630	122,682	99,563	72,395
1984.....	403,309	307,300	216,721	163,361	171,479	129,623	103,147	84,033
1985.....	462,298	365,647	(³)	199,288	193,302	165,360	(³)	127,956
1986 ³				193,875				142,437
1987 ³				193,020				128,107
Year beginning September	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1
1988.....	238,910	182,470	123,265	84,519	211,468	189,648	157,334	111,877
1989 ⁴	253,350	186,440	102,825	48,590	163,598	164,168	149,830	112,385

¹ Old crop only. Prior to June 1, 1976 (1975 crop year), estimates are for July. ² Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ³ Per program modification estimates not available for Apr., Oct., and/or Jan. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 57.—Barley: Supply and disappearance, United States, 1975-89

Year beginning June	Supply				Disappearance					Ending stocks May 31		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ¹	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1975.....	92	379	16	487	188	147	335	24	359	128	0	128
1976.....	128	383	11	522	174	156	330	66	396	126	0	126
1977.....	126	428	9	563	178	155	333	57	390	173	0	173
1978.....	173	455	11	639	217	167	384	26	410	226	2	228
1979.....	228	383	12	623	204	172	376	55	431	189	3	192
1980.....	192	361	10	563	174	175	349	77	426	134	3	137
1981.....	137	474	10	621	198	175	373	100	473	145	3	148
1982.....	148	516	11	675	240	171	411	47	458	211	6	217
1983.....	217	509	7	733	283	169	452	92	544	177	12	189
1984.....	189	599	10	798	304	170	474	77	551	232	15	247
1985.....	247	591	9	848	333	169	501	22	523	268	57	325
1986.....	325	611	9	944	298	174	472	137	608	261	76	336
1987.....	336	530	14	879	259	174	433	125	558	271	50	321
1988.....	321	290	11	622	166	180	346	79	425	166	30	196
1989 ²	196	403	14	614	186	181	368	85	453	142	19	161

¹ Includes Government loans (original and resale). ² Preliminary.
Economic Research Service.

Table 58.—Barley: Area, yield, and production, by States, 1987-89

State	Area planted ¹			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AZ.....	25	15	15	22	13	12	99.0	104.0	103.0	2,178	1,352	1,236
CA.....	400	360	320	330	280	240	54.0	61.0	56.0	17,820	17,080	13,440
CO.....	230	185	190	220	175	160	64.0	67.0	76.0	14,080	11,725	12,160
DE.....	40	35	50	37	30	40	60.0	72.0	55.0	2,220	2,160	2,200
ID.....	840	880	870	820	850	850	75.0	60.0	70.0	61,500	51,000	59,500
KS.....	140	100	60	120	85	18	40.0	35.0	32.0	4,800	2,975	576
KY.....	15	16	20	12	14	17	67.0	77.0	67.0	804	1,078	1,139
MD.....	90	80	90	79	69	80	63.0	69.0	50.0	4,977	4,761	4,000
MI.....	55	50	45	50	38	40	55.0	32.0	58.0	2,750	1,216	2,320
MN.....	1,200	1,250	925	870	850	800	57.0	32.0	55.0	49,590	27,200	44,000
MT.....	2,300	1,800	1,700	2,100	1,250	1,600	45.0	24.0	43.0	94,500	30,000	68,800
NE.....	85	70	35	70	60	25	36.0	32.0	26.0	2,520	1,920	650
NV.....	16	14	12	14	12	11	90.0	80.0	90.0	1,260	960	990
NJ.....	17	16	12	12	9	8	60.0	67.0	59.0	720	603	472
NM.....	13	11	10	8	6	5	70.0	65.0	75.0	560	390	375
NC.....	46	48	50	40	42	43	57.0	68.0	48.0	2,280	2,856	2,064
ND.....	3,000	2,800	2,800	2,900	2,150	2,650	48.0	21.0	37.0	139,200	45,150	98,050
OK.....	30	20	25	25	16	20	30.0	48.0	45.0	750	768	900
OR.....	220	225	200	200	200	180	70.0	74.0	67.0	14,000	14,800	12,060
PA.....	65	60	90	60	55	85	57.0	66.0	59.0	3,420	3,630	5,015
SC.....	15	17	12	13	14	10	49.0	60.0	56.0	637	840	560
SD.....	870	700	700	850	450	550	40.0	18.0	35.0	34,000	8,100	19,250
TX.....	65	35	25	30	18	15	40.0	30.0	32.0	1,200	540	480
UT.....	152	139	134	142	125	114	83.0	77.0	79.0	11,786	9,625	9,006
VA.....	90	95	95	70	75	75	66.0	71.0	65.0	4,620	5,325	4,875
WA.....	660	580	500	645	560	490	55.0	62.0	58.0	35,475	34,720	28,420
WI.....	110	100	80	88	75	65	54.0	34.0	57.0	4,752	2,550	3,705
WY.....	140	130	110	130	115	100	70.0	58.0	72.0	9,100	6,670	7,200
US.....	10,929	9,831	9,175	9,957	7,636	8,303	52.4	38.0	48.6	521,499	289,994	403,443

¹ Relates to the total area of barley sown for all purposes, including barley sown in the preceding fall.

² Preliminary.

National Agricultural Statistics Service.

Table 59.—Barley: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AZ.....	2.19	2.35	3.15	4,770	3,177	3,893
CA.....	2.15	2.75	2.55	38,313	46,970	34,272
CO.....	2.56	3.01	3.35	36,045	35,292	40,736
DE.....	1.20	1.83	1.90	2,664	3,953	4,180
ID.....	2.23	2.76	2.65	137,145	140,760	157,675
KS.....	1.45	2.30	2.00	6,960	6,843	1,152
KY.....	1.20	1.85	1.85	965	1,994	2,107
MD.....	1.24	1.91	2.00	6,171	9,094	8,000
MI.....	1.80	3.30	2.90	4,950	4,013	6,728
MN.....	1.74	2.67	2.50	86,287	72,624	110,000
MT.....	1.82	2.82	2.15	171,990	84,600	147,920
NE.....	1.20	1.90	1.65	3,024	3,648	1,073
NV.....	2.00	2.65	2.40	2,520	2,544	2,376
NJ.....	1.15	2.00	1.95	828	1,206	920
NM.....	1.69	2.41	2.50	946	940	938
NC.....	1.55	1.70	2.10	3,534	4,855	4,334
ND.....	1.70	2.97	2.15	236,640	134,096	210,808
OK.....	1.55	2.15	2.20	1,163	1,651	1,980
OR.....	1.93	2.49	2.15	27,020	36,852	25,929
PA.....	1.45	2.40	1.95	4,959	8,712	9,779
SC.....	1.60	1.95	2.05	1,019	1,638	1,148
SD.....	1.69	2.63	2.55	57,460	21,303	49,088
TX.....	1.65	2.00	2.10	1,980	1,080	1,008
UT.....	1.84	2.64	2.15	21,686	25,410	19,363
VA.....	1.35	1.95	2.10	6,237	10,384	10,238
WA.....	1.87	2.45	2.20	66,338	85,064	62,524
WI.....	1.55	2.32	2.20	7,366	5,916	8,151
WY.....	3.08	3.09	3.30	28,028	20,610	23,760
US.....	1.81	2.80	2.40	967,008	775,229	950,080

¹ Preliminary.

National Agricultural Statistics Service.

Table 60.—Barley: Price-support operations, United States, 1975/76–1990/91

Marketing year	Support price				Put under support ³			Owned by CCC at end of market- ing year
	Per bushel		Percentage of parity ²		Quantity	Percent- age of produc- tion	Acquired by CCC under support pro- gram ⁴	
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Percent</i>	<i>Million bushels</i>	<i>Million bushels</i>
1975/76.....	.90	1.13	36	45	9.2	2.5		
1976/77.....	1.22	1.28	44	46	19.2	5.2		
1977/78.....	1.63	2.15	54	71	86.7	20.6		
1978/79.....	1.63	2.25	50	69	67.6	15.1	2.5	2.5
1979/80.....	1.71	2.40	44	61	30.0	7.9	.8	3.2
1980/81.....	⁶ 1.83-1.95	⁷ 2.55-2.29	45-48	62-56	⁷ 31.2	8.6	.1	3.4
1981/82.....	⁶ 1.95-2.07	2.60	43-46	57	60.5	⁷ 12.6	3.7	3.3
1982/83.....	⁶ 2.08-2.37	2.60	44-50	55	92.6	17.9	4.4	6.0
1983/84.....	2.16	2.60	44	53	32.4	6.4	5.6	11.3
1984/85.....	2.08	2.60	42	52	57.0	9.5	3.4	14.6
1985/86.....	2.08	2.60	44	54	159.3	26.9	47.8	57.4
1986/87.....	1.56	2.60	35	58	164.7	27.0	60.7	75.5
1987/88.....	1.49	2.60	34	59	122.7	23.5	25.5	50.1
1988/89.....	1.44	2.51	32	56	21.9	7.6	10.3	30.4
1989/90.....	1.34	2.43	28	51	⁸ 23.9	5.9	⁸ 17.5	19.3
1990/91.....	1.28	2.36						

¹ Marketing year for 1975/76 began July 1. Marketing year for 1976/77 and all subsequent years begins on June 1.² Percentage of parity price as of the beginning of the marketing year. ³ Represents loans made, purchases, and purchase agreements entered into. ⁴ Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁵ Uncommitted CCC inventory. ⁶ Smaller value is regular loan; larger value is loan rate for crops in the farmers-owned reserves. ⁷ Producers who exceed their NCA will be eligible for the lower target price. ⁸ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 61.—Barley and malt: United States exports, by country of destination, 1987 and 1988 ¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1987	1988		1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Barley: ²			Malt: ⁴		
Mexico.....	1,851	103,837	Canada.....	1,136	0
Germany, Fed. Rep. of.....	0	0	Mexico.....	0	0
Italy.....	0	2	Costa Rica.....	0	0
Netherlands.....	0	0	Dominican Republic.....	0	0
Belgium-Luxembourg.....	0	0	Jamaica.....	0	0
Other Europe.....	12,245	74,910	Guyana.....	0	0
Japan.....	67,998	113,562	Peru.....	0	0
Other countries.....	2,728,332	1,427,307	Venezuela.....	0	0
			Other Americas.....	449	72
World total ³	2,810,432	1,719,618	Japan.....	0	0
			Other countries.....	43,606	455
			World total.....	45,191	527

¹ Year beginning Oct. 1. ² U.S. Barley and U.S. Barley, N.S.P.F. ³ Transshipments through Canada have not been included in data for countries of ultimate destination. ⁴ In grain equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 62.—Barley: Area, yield, and production in specified countries, 1987/88–1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:									
Canada.....	5,004	4,152	4,883	2.79	2.46	2.39	13,957	10,212	11,672
Mexico.....	300	255	290	1.70	1.75	1.66	510	445	480
United States.....	4,029	3,090	3,360	2.82	2.04	2.61	11,354	6,314	8,784
Total.....	9,333	7,497	8,533	2.77	2.26	2.45	25,821	16,971	20,936
South America:									
Argentina.....	130	160	163	2.15	1.98	2.10	280	317	343
Bolivia.....	83	95	95	.81	.76	.79	67	72	75
Brazil.....	102	104	120	1.91	1.19	2.21	195	124	265
Chile.....	24	28	30	3.42	3.39	3.40	82	95	102
Colombia.....	47	50	48	1.96	1.70	1.83	92	85	88
Ecuador.....	28	25	28	1.07	1.08	1.07	30	27	30
Peru.....	107	119	116	1.07	1.13	1.08	114	134	125
Uruguay.....	61	78	65	2.03	1.67	1.46	124	130	95
Total.....	582	659	665	1.69	1.49	1.69	984	984	1,123
Europe:									
Belgium-Luxembourg.....	140	137	122	5.27	5.85	5.68	738	802	693
Denmark.....	943	1,165	1,001	4.55	4.65	4.98	4,292	5,419	4,982
France.....	1,967	1,862	1,825	5.35	5.26	5.39	10,528	9,800	9,840
Germany, Federal Republic of.....	1,849	1,836	1,746	4.64	5.22	5.56	8,571	9,587	9,716
Greece.....	267	220	225	2.34	2.50	2.22	626	550	500
Ireland.....	276	266	258	5.39	5.15	5.26	1,487	1,370	1,357
Italy.....	445	450	473	3.84	3.47	3.31	1,708	1,561	1,565
Netherlands.....	50	63	50	5.24	4.79	5.02	262	302	251
Portugal.....	84	74	125	1.19	.69	.70	100	51	87
Spain.....	4,352	4,175	4,260	2.13	2.89	2.14	9,282	12,070	9,100
United Kingdom.....	1,831	1,913	1,662	5.04	4.59	4.83	9,225	8,775	8,025
Total EC.....	12,204	12,161	11,747	3.84	4.14	3.93	46,819	50,287	46,116
Austria.....	291	292	292	4.05	4.68	4.87	1,179	1,366	1,422
Finland.....	583	682	517	2.24	2.36	3.15	1,306	1,612	1,630
Malta & Gozo.....	1	1	1	2.00	2.00	2.00	2	2	2
Norway.....	176	161	170	2.98	3.37	3.19	525	543	543
Sweden.....	545	537	480	3.50	3.50	3.94	1,907	1,879	1,889
Switzerland.....	51	54	55	4.69	5.54	5.45	239	299	300
Total Western Europe.....	13,851	13,888	13,262	3.75	4.03	3.91	51,977	55,988	51,902

See footnotes at end of table.

Table 62.—Barley: Area, yield, and production in specified countries, 1987/88–1989/90 ¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe—Continued									
Albania.....	13	13	13	2.31	2.69	2.69	30	35	35
Bulgaria.....	295	345	350	3.70	3.79	4.14	1,091	1,306	1,450
Czechoslovakia.....	840	820	820	4.23	4.15	4.39	3,551	3,400	3,600
German Democratic Republic.....	891	874	897	4.71	4.35	5.24	4,198	3,798	4,700
Hungary.....	205	264	282	3.87	4.43	4.69	794	1,170	1,323
Poland.....	1,286	1,250	1,175	3.37	3.04	3.32	4,335	3,800	3,904
Romania.....	560	750	775	3.21	4.00	4.52	1,800	3,000	3,500
Yugoslavia.....	213	222	242	2.37	2.77	2.90	504	615	702
Total Eastern Europe.....	4,303	4,538	4,554	3.79	3.77	4.22	16,303	17,124	19,214
Total Europe.....	18,154	18,426	17,816	3.76	3.97	3.99	68,280	73,112	71,116
Soviet Union (Europe and Asia).....	30,654	29,732	27,500	1.91	1.50	1.80	58,409	44,463	49,500
Africa:									
Algeria.....	1,089	674	1,000	.75	.58	.70	820	390	700
Egypt.....	55	37	55	3.18	2.95	3.09	175	109	170
Ethiopia.....	850	850	850	1.06	1.47	1.06	900	1,250	900
Kenya.....	85	85	85	1.00	1.06	1.06	85	90	90
Libya.....	300	280	280	.33	.27	.27	100	75	75
Morocco.....	2,315	2,499	2,399	.67	1.38	1.25	1,543	3,454	2,999
South Africa, Republic of.....	100	80	100	2.80	1.71	2.80	280	137	280
Tunisia.....	639	151	412	.84	.42	.49	537	63	200
Zimbabwe.....	5	5	5	6.00	6.00	6.00	30	30	30
Total.....	5,438	4,661	5,186	.82	1.20	1.05	4,470	5,598	5,444
Asia:									
Afghanistan.....	325	320	300	1.00	1.00	1.00	325	320	300
Bangladesh.....	7	7	7	.71	.71	.71	5	5	5
Bhutan.....	4	10	4	1.00	1.00	1.00	4	10	4
China (Mainland).....	3,403	3,700	3,277	1.78	1.67	1.74	6,041	6,180	5,688
Cyprus.....	43	55	55	1.77	2.31	2.36	76	127	130
India.....	1,225	1,143	1,093	1.36	1.38	1.57	1,669	1,577	1,721
Iran.....	1,500	1,800	1,800	1.33	1.11	1.11	2,000	2,000	2,000
Iraq.....	972	1,400	800	.76	1.00	.83	743	1,400	663
Israel.....	20	15	14	1.05	.67	.71	21	10	10
Japan.....	111	114	113	3.18	3.50	3.28	353	399	371
Jordan.....	60	45	40	.68	.67	.63	41	30	25
Korea, Republic of.....	206	195	179	2.50	2.88	2.88	516	562	516
Lebanon.....	4	4	4	1.25	1.25	1.25	5	5	5
Nepal.....	29	29	29	.86	.86	.86	25	25	25
Pakistan.....	182	145	159	.74	.77	.77	134	112	122
Saudi Arabia.....	40	80	110	2.00	2.50	2.73	80	200	300
Syria.....	1,570	1,844	750	.37	1.36	.40	576	2,500	300
Turkey.....	3,200	3,300	3,350	1.88	2.12	1.46	6,000	7,000	4,900
Yemen (Sanaa).....	52	50	50	1.04	1.10	1.00	54	55	50
Total.....	12,953	14,256	12,134	1.44	1.58	1.41	18,668	22,517	17,135
Oceania:									
Australia.....	3,200	3,200	3,300	1.97	1.88	2.12	6,300	6,000	7,000
New Zealand.....	2,384	2,247	2,356	1.46	1.47	1.74	3,477	3,301	4,100
Total.....	98	83	88	4.10	4.29	3.70	402	356	326
Total.....	2,482	2,330	2,444	1.56	1.57	1.81	3,879	3,657	4,426
World total.....	79,596	77,561	74,278	2.27	2.16	2.28	180,511	167,302	169,680

¹ Years shown refer to year of harvest. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere in 1987 is combined with estimates of the Southern Hemisphere harvests, which begin late in 1987 and end early in 1988.

² Harvested area as far as possible. ³ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches and Foreign Service Officers, results of office research, and related information.

Table 63.—Grains and grain products: Total and per capita civilian consumption as food, United States, 1975-89

Calendar year	Wheat		Rye		Rice (milled)		Corn					Oats		Barley		
	Total consumed ¹	Per capita consumption of food products	Total consumed ¹	Per capita consumption of rye flour	Total consumed ¹	Per capita consumption	Per capita consumption of food products					Total consumed ⁴	Per capita consumption of oat food products	Total consumed ⁵	Per capita consumption of food products ⁶	
		Flour ²					Cere- al	Meal	Homi- ny and grits	Syrup	Sugar					Starch
		Million bushels	Pounds	Million bushels	Pounds	Million bushels	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Million bushels	Pounds	Million bushels	Pounds
1975.....	589	115	2.8	4.7	16.3	7.6	387	6.0	2.7	28.8	5.4	4.7	5	1.2		
1976.....	588	119	3.0	3.9	15.4	7.1	387	5.8	3.0	31.9	5.4	4.6	5	1.2		
1977.....	587	116	3.1	3.6	16.5	7.5	414	5.7	3.3	35.3	4.5	4.4	6	1.1		
1978.....	592	115	3.1	3.7	12.4	5.6	436	5.9	3.1	39.2	4.1	4.3	6	1.1		
1979.....	596	117	3.1	3.7	21.0	9.4	461	6.2	3.0	43.3	3.9	4.2	6	1.1		
1980.....	610	117	3.1	3.6	21.4	9.4	514	6.3	2.8	48.9	3.8	4.1	7	1.0		
1981.....	602	116	3.1	3.81	25.2	11.0	536	6.2	2.7	55.0	3.8	4.1	7	1.0		
1982.....	616	117	3.1	3.3	27.3	11.8	579	6.6	2.8	60.0	3.8	4.1	7	0.9		
1983.....	643	117	3.1	3.5	22.7	9.7	616	6.6	2.8	65.6	3.8	4.1	7	0.9		
1984.....	651	119	3.1	3.85	20.4	8.6	664	6.6	2.8	69.0	3.8	4.0	7	0.9		
1985.....	674	124	3.1	3.5	21.7	9.1	685	6.7	2.8	73.0	3.8	4.1	7	0.9		
1986.....	712	125	3.2	3.86	28.0	11.6	693	6.7	2.8	74.4	3.8	4.2	8	0.9		
1987.....	732	129	3.3	3.32	32.7	13.5	717	6.7	2.8	77.0	3.8	4.4	8	0.9		
1988.....	735	129	3.4	3.5	35.1	14.3	727	6.7	2.8	78.8	3.8	5.4	8	0.9		
1989 ⁷	750	129	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	82.2	3.8	n.a.	n.a.	n.a.		

n.a. not available. ¹ Excludes quantities used in alcoholic beverages. ² Includes white, whole wheat, and semolina flour. ³ Includes an allowance for the quantity used as hominy and grits. ⁴ Oats used in oatmeal, prepared breakfast foods, infant foods, and food products. ⁵ Malt for food, breakfast food uses, pearl barley, and flour. ⁶ Malt equivalent of barley food products. ⁷ Preliminary. Estimates of corn syrup, sugar, and starch are unofficial estimates; industry data were not reported after April 1988. Economic Research Service. All figures are estimates based on data from private industry sources, the U.S. Department of Commerce, the Internal Revenue Service, and other Government agencies.

Table 64.—Sorghum: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area planted for all purposes ¹	Sorghum for grain ²						Sorghum for silage				Forage area harvested ⁴
		Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Marketing year average price per bushel ³	Value of production ³	Area harvested	Yield per harvested acre	Production	
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars	1,000 acres	Tons	1,000 tons	1,000 acres
1975.....	18,080	15,403	49.0	754,354	174,702	579,652	2.36	1,777,100	763	9.8	7,492	1,438
1976.....	18,143	14,466	49.1	710,797	208,591	507,206	2.03	1,431,190	793	9.2	7,317	1,802
1977.....	16,636	13,797	56.6	780,944	249,333	531,611	1.82	1,411,570	839	10.9	9,184	1,556
1978.....	16,197	13,410	54.5	731,270	236,476	494,794	2.01	1,464,187	724	10.9	7,920	1,449
1979.....	15,277	12,901	62.6	807,422	(⁵)	(⁵)	2.35	1,876,641	764	11.8	8,990	1,211
1980.....	15,639	12,513	46.3	579,343	(⁵)	(⁵)	2.91	1,696,641	734	9.5	7,003	1,412
1981.....	15,930	13,677	64.0	875,835	(⁵)	(⁵)	2.25	2,078,529	786	12.0	9,447	1,024
1982.....	16,028	14,137	59.1	835,083	(⁵)	(⁵)	2.47	2,090,774	603	12.3	7,403	914
1983.....	11,880	10,001	48.7	487,521	(⁵)	(⁵)	2.74	1,382,097	639	10.3	6,572	747
1984.....	17,254	15,355	56.4	866,241	(⁵)	(⁵)	2.32	2,054,805	609	10.6	6,472	679
1985.....	18,285	16,782	66.8	1,120,271	(⁵)	(⁵)	1.93	2,243,450	534	12.3	6,566	796
1986.....	15,336	13,859	67.7	938,124	(⁵)	(⁵)	1.37	1,322,196	500	11.8	5,898	(⁵)
1987.....	11,756	10,531	69.4	730,809	(⁵)	(⁵)	1.70	1,179,444	429	12.4	5,307	(⁵)
1988.....	10,343	9,042	63.8	576,686	(⁵)	(⁵)	2.27	1,337,424	518	10.1	5,252	(⁵)
1989 ⁶	12,642	11,153	55.4	617,860	(⁵)	(⁵)	2.05	1,279,674	510	10.4	5,304	(⁵)

¹ Grain and sweet sorghum for all uses, including sirup. ² Includes both grain sorghum for grain, and sweet sorghum for grain or seed. ³ Based on the reported price of grain sorghum. Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ⁴ Includes hogged or grazed and that cut and fed without removing grain. ⁵ Estimates discontinued. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 65.—Sorghum grain: Stocks on and off farms, United States, 1975-90

Year	On farms				Off farms ³			
	Jan. 1	Apr. 1	June 1 ¹	Oct. 1 ²	Jan. 1	Apr. 1	June 1 ¹	Oct. 1 ²
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975	121,041	63,193	29,778	7,849	257,843	145,278	65,307	27,188
1976	164,509	84,107	49,951	14,008	309,600	164,221	104,090	37,486
1977	158,699	87,333	60,563	21,396	331,631	208,250	135,182	69,646
1978	218,292	139,450	108,316	56,056	398,245	273,525	210,749	134,477
1979	235,515	140,606	99,216	40,847	401,484	276,684	222,988	118,683
1980	234,708	142,489	91,347	40,356	412,290	253,165	186,288	106,064
1981	138,845	81,191	50,984	29,434	325,782	232,726	133,547	79,090
1982	255,113	124,785	92,673	61,383	432,902	336,665	286,813	235,032
1983	267,744	150,101	96,012	59,937	542,706	471,104	433,061	340,296
1984	149,330	88,631	61,453	37,932	505,498	380,979	307,444	212,836
1985	228,780	134,904	89,076	45,870	496,283	346,392	271,700	225,147
1986	330,087	(*)	138,044	⁵ 91,500	664,180	(*)	491,984	⁵ 459,506
1987	(*)	(*)	149,100	103,200	(*)	(*)	685,871	640,133
1988			105,900	69,420			701,945	593,231
1989			85,200	47,800			473,768	391,712

Year	On farms				Off farms			
	Dec. 1	Mar. 1	June 1	Sept. 1	Dec. 1	Mar. 1	June 1	Sept. 1
1990 ^{6 7}		88,050	44,500			425,549	288,151	

¹ Prior to 1976, estimates are for July 1. ² Old crop only. ³ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other structures under CCC control. ⁴ Per program modification estimates available only for June 1 and September 1. ⁵ Beginning 1986, estimates for September 1. ⁶ Per program changes—estimates for Mar. 1 and Sept. 1 reinstated. ⁷ Preliminary. National Agricultural Statistics Service.

Table 66.—Sorghum: Supply and disappearance, United States, 1975-89 ¹

Year beginning October	Supply				Disappearance					Ending stocks Sept. 30		
	Beginning stocks	Production	Imports	Total	Domestic use			Exports	Total disappearance	Privately held ²	Government	Total
					Feed and residual	Food, alcohol, and seed	Total					
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels
1975	65	754		819	494	11	505	232	737	82		82
1976	82	711		793	411	11	422	254	676	117		117
1977	117	781		898	448	11	459	223	682	211		216
1978	216	731		947	538	11	549	190	739	164	44	208
1979	208	807		1,015	495	12	507	330	837	132	46	178
1980	178	579		757	323	11	334	293	627	89	41	130
1981	130	876		1,006	417	10	427	260	687	277	42	319
1982	319	835		1,154	495	10	505	210	715	268	171	439
1983	439	488	(³)	927	385	10	395	245	640	185	102	287
1984	287	866	(³)	1,153	539	17	556	297	853	188	112	300
1985	300	1,120		1,421	664	28	691	178	869	344	207	551
1986	551	938		1,489	536	12	547	198	746	334	409	743
1987	743	739		1,483	564	25	589	231	820	199	464	663
1988	663	577		1,239	468	22	490	310	810	99	341	440
1989 ⁴	440	618		1,057	505	15	520	275	795	97	165	262

¹ 1975 to date revised based on new crop year, Sept. 1-Aug. 30. ² Includes total Government loans (original and resale). ³ Less than 500 thousand bushels. ⁴ Preliminary.

Economic Research Service.

Table 67.—Sorghum: Area, yield, and production, by States, 1987-89

State	Area planted for all purposes			Sorghum for grain								
	1987	1988	1989 ¹	Area harvested			Yield per harvested acre			Production		
				1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	50	40	45	30	25	30	48.0	41.0	50.0	1,440	1,025	1,500
AZ.....	14	5	6	11	4	3	90.0	100.0	80.0	990	400	240
AR.....	420	360	370	405	310	340	68.0	68.0	62.0	27,540	21,080	21,080
CA.....	25	20	13	20	15	9	90.0	80.0	90.0	1,800	1,200	810
CO.....	400	270	400	210	180	325	43.0	46.0	35.0	9,080	8,280	11,375
GA.....	110	85	90	60	40	50	40.0	35.0	40.0	2,400	1,400	2,000
IL.....	150	90	150	140	80	140	86.0	75.0	83.0	12,040	6,000	11,620
KS.....	4,100	3,600	4,100	3,750	3,300	3,750	73.0	62.0	53.0	273,750	204,600	198,750
KY.....	22	15	13	18	10	9	70.0	55.0	80.0	1,260	550	720
LA.....	190	105	110	172	90	95	67.0	65.0	65.0	11,524	5,850	6,175
MS.....	160	165	100	145	155	85	65.0	56.0	53.0	9,425	8,680	4,505
MO.....	720	500	600	690	470	570	85.0	81.0	79.0	58,650	38,070	45,030
NE.....	1,450	1,600	1,850	1,300	1,360	1,650	82.0	76.0	62.0	106,600	103,360	102,300
NM.....	165	160	280	140	145	250	57.0	60.0	50.0	7,980	8,700	12,500
NC.....	60	85	90	35	55	60	43.0	42.0	54.0	1,505	2,310	3,240
OK.....	450	410	400	410	360	360	46.0	45.0	49.0	18,860	16,200	17,640
SC.....	40	28	30	15	8	10	37.0	32.0	45.0	555	256	450
SD.....	360	460	460	270	250	290	53.0	44.0	40.0	14,310	11,000	11,600
TN.....	70	45	35	60	35	27	70.0	65.0	75.0	4,200	2,275	2,025
TX.....	2,800	2,300	3,500	2,650	2,150	3,100	63.0	63.0	53.0	166,950	135,450	164,300
US.....	11,756	10,343	12,642	10,531	9,042	11,153	69.4	63.8	55.4	730,809	576,686	617,860

¹ Preliminary.

National Agricultural Statistics Service.

Table 68.—Sorghum: Utilization for silage, by States, 1987-89

State	Silage								
	Area harvested			Yield per acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	10	6	10	9.5	9.0	10.0	95	54	100
AZ.....	3	1	3	18.0	17.0	20.0	54	17	60
AR.....	5	4	7	10.0	8.0	11.0	50	32	77
CA.....	4	4	3	21.0	19.5	19.0	84	78	57
CO.....	18	22	25	15.0	13.0	14.0	270	286	350
GA.....	40	36	35	11.0	9.0	12.0	440	324	420
IL.....	6	3	6	12.0	8.0	12.0	72	24	72
KS.....	123	140	130	14.5	10.0	11.0	1,784	1,400	1,430
KY.....	3	4	3	12.0	10.0	14.0	36	40	42
LA.....	6	4	4	10.0	11.0	11.0	60	44	44
MS.....	12	5	5	15.0	9.0	9.0	180	45	45
MO.....	20	10	15	12.0	8.5	10.0	240	85	150
NE.....	60	100	80	12.5	13.5	11.0	750	1,350	880
NM.....	3	2	3	13.0	14.0	12.0	39	28	36
NC.....	20	30	23	12.0	7.0	11.0	240	210	253
OK.....	15	14	12	13.0	12.0	13.0	195	168	156
SD.....	15	18	18	8.5	9.0	10.0	128	162	180
TX.....	40	90	100	7.6	6.8	6.0	304	612	600
TN.....	6	8	6	11.0	9.0	11.0	66	72	72
TX.....	20	17	22	11.0	13.0	13.0	220	221	286
US.....	429	518	510	12.4	10.1	10.4	5,307	5,252	5,304

¹ Preliminary.

National Agricultural Statistics Service.

Table 69.—Sorghum grain: Marketing year average price and value, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	1.43	2.58	2.10	2,059	2,645	3,150
AZ.....	2.34	3.08	2.80	2,317	1,232	672
AR.....	1.57	2.34	2.10	43,238	49,327	44,268
CA.....	2.21	3.21	2.66	3,978	3,852	2,155
CO.....	1.84	2.25	2.24	16,615	18,630	25,480
GA.....	1.52	2.25	2.32	3,648	3,150	4,640
IL.....	1.46	2.30	2.13	17,578	13,800	24,751
KS.....	1.58	2.21	1.99	432,525	452,166	395,513
KY.....	1.62	2.32	2.21	2,044	1,276	1,591
LA.....	1.57	2.41	2.30	18,093	14,099	14,203
MS.....	1.99	2.80	2.30	18,756	24,304	10,362
MO.....	1.50	2.39	2.10	87,975	90,987	94,563
NE.....	1.62	2.16	2.02	172,692	223,258	206,646
NM.....	2.10	2.54	2.18	16,758	22,098	27,250
NC.....	1.57	1.90	1.79	2,363	4,389	5,800
OK.....	1.70	2.42	2.07	32,062	39,204	36,515
SC.....	1.74	2.21	2.24	966	566	1,008
SD.....	1.43	1.96	1.85	20,463	21,560	21,460
TN.....	1.55	2.41	2.35	6,510	5,483	4,759
TX.....	1.67	2.55	2.16	278,807	345,398	354,888
US.....	1.70	2.27	2.05	1,179,444	1,337,424	1,279,674

¹ Preliminary.

National Agricultural Statistics Service.

Table 70.—Sorghum grain: Price-support operations, United States, 1975/76-1990/91

Marketing year	Support price				Put under support ²		Acquired by CCC under support program ³	Owned by CCC at end of marketing ⁸ year
	Per cwt.		Percentage of parity ¹		Quantity	Percentage of production		
	Loan	Target	Loan	Target				
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Million cwt.</i>	<i>Percent</i>	<i>Million cwt.</i>	<i>Million cwt.</i>
1975/76.....	1.88	2.34	36	45	5.4	1.3		
1976/77.....	2.55	2.66	46	48	12.5	3.1		
1977/78.....	3.39	4.07	59	70	121.7	27.5	7.2	⁴ 7.3
1978/79.....	3.39	4.07	55	66	51.6	12.3	17.1	24.4
1979/80.....	3.57	4.18	52	60	35.8	7.9	1.3	24.6
1980/81.....	⁵ 3.82-4.07	⁶ 4.46-4.38	49-53	58-57	18.1	5.6	1	21.4
1981/82.....	⁵ 4.07-4.32	4.55	49-52	55	155.0	31.5	6.5	24.0
1982/83.....	⁵ 4.32-4.91	4.64	50-57	54	134.5	28.8	⁷ 41.0	⁷ 92.4
1983/84.....	4.50	4.86	51	56	7.6	2.8	1.7	50.0
1984/85.....	4.32	5.14	48	57	36.4	7.5	36.4	67.6
1985/86.....	4.32	5.14	50	60	201.3	32.0	87.5	116.2
1986/87.....	3.25	5.14	39	61	222.2	42.3	127.9	229.0
1987/88.....	3.11	5.14	37	61	201.3	49.2	119.7	259.6
1988/89.....	3.00	4.96	35	57	22.7	7.0	17.0	190.9
1989/90.....	2.80	4.82	31	54	⁹ 12.0	3.5	10.2	⁹ 105.0
1990/91 ⁹	2.66	4.66						

¹ Percentage of parity price as of the beginning of the marketing year. ² Represents loans made, purchases, and purchase agreements entered into. ³ Acquisition of all loans forfeited during the marketing year including loans made in previous years. ⁴ Uncommitted CCC inventory. ⁵ Smaller value is regular loan; larger value is loan rate for crops in the former-owned reserve. ⁶ Producers who exceed their NCA will be eligible for the lower target price. ⁷ Includes Payment-In-Kind purchases. ⁸ Change in 1986 marketing year from October 1 to September 1 reflect adjustments made in supply/use and prices starting in 1975. ⁹ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 71.—Sorghum grain: United States exports by country of destination, 1987-88 ¹

Country of destination	Year ¹		Country of destination	Year ¹	
	1987	1988		1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
Western Hemisphere:			Asia:		
Canada.....	1,451	1,130	Israel.....	365,511	414,632
Mexico.....	849,516	2,246,278	Japan.....	2,387,806	2,633,563
Other countries.....	1,855,549	1,093,607	Taiwan.....	90,192	73,287
Total Americas.....	2,706,516	3,341,015	Total Asia and Oceania.....	2,859,379	3,306,121
Europe:			Africa:		
Belgium-Luxembourg.....	0	0	Senegal.....	0	5,500
Germany, Fed. Rep. of.....	0	0	South Africa.....	1,865	0
Portugal.....	0	0	Other countries.....	192,106	136,514
Spain.....	199,351	226,489	Total Africa.....	193,971	142,014
Poland.....	126,809	92,518	World total.....	6,086,026	8,107,675
Other countries.....	0	999,517			
Total Europe.....	326,160	1,318,524			

¹ Year beginning Oct. 1.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 72.—Feed grains: United States exports under specified Government programs, 1975-88

Year ¹	Public Law 480				Foreign donations Section 416 ⁶	Mutual security (AID) ⁷	Total specified Government programs
	Title I sales		Title II donations				
	Sales for foreign currency ²	Long-term dollar and convertible foreign currency credit sales ³	Government- to- government and World Food Program ⁴	Voluntary relief agencies ⁵			
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
1975.....			56	6		148	210
(*).....		(35)	(11)	(1)		(610)	(657)
1976.....		480	46	3		1,306	1,834
1977.....		424	160			1,440	2,024
1978.....		565	113	7		1,445	2,130
1979.....		637	229	39		224	1,129
1980.....		553	226	21		444	1,244
1981.....		296	79	34		323	732
1982.....		320	118	18		392	848
1983.....		364	452	9		793	1,618
1984.....		211	1,121	30		405	1,767
1985.....		124	91	41		445	701
1986.....		333	39	14	38	420	844
1987.....	8	253	145	20	888	25	1,339
1988.....		133	131	21	743	231	1,259

¹ Year beginning July 1 for 1975-76 and Oct. 1 starting in 1977. ² Authorized by Title I, P.L. 480.³ Shipments under agreements signed from Jan. 1, 1967, authorized by Title I, P.L. 480, as amended by P.L. 89-808.⁴ Authorized by Title II, P.L. 480. ⁵ Authorized by Sec. 416 of the Agricultural Act of 1949 and Sec. 302, Title III, P.L. 480 through Dec. 31, 1966. Authorized by Title II, P.L. 480, as amended by P.L. 89-808, effective Jan. 1, 1967.⁶ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Program Adjustment Act of 1984, and the Food Security Act of 1985. ⁷ Foreign Assistance Act of 1961, as amended. ⁸ Transition quarter July 1, 1976 to Sept. 30, 1976.

Economic Research Service.

Table 73.—Commercial feeds: Disappearance for feed, United States, 1975-89

Year beginning October	Oilseed cake and meal						Animal protein			
	Soy- bean	Cotton- seed	Linseed	Pea- nut ¹	Sun- flower	Total	Tank- age and meat meal	Fish meal	Dried milk ²	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975.....	15,612	1,266	94	313	119	17,404	2,001	508	234	2,743
1976.....	14,056	1,556	114	203	23	15,952	2,200	414	249	2,863
1977.....	16,276	1,962	110	105	140	18,593	2,329	418	290	3,037
1978.....	17,720	1,762	111	113	198	19,904	2,323	509	320	3,152
1979.....	19,214	1,879	75	115	396	21,679	2,528	409	305	3,242
1980.....	17,591	1,636	103	94	489	19,913	2,458	379	305	3,142
1981.....	17,714	2,037	70	118	220	20,159	2,492	529	334	3,355
1982.....	19,306	1,648	93	74	477	21,598	2,351	454	398	3,203
1983.....	17,615	1,126	125	75	265	19,206	2,317	499	406	3,222
1984.....	19,480	1,758	120	123	338	21,819	2,781	649	426	3,856
1985.....	19,090	1,520	110	175	345	21,240	2,800	511	412	3,724
1986.....	20,387	1,131	127	114	297	22,056	2,641	519	436	3,596
1987.....	21,293	1,590	140	120	420	23,563	2,708	389	440	3,537
1988.....	19,798	1,632	102	120	337	21,989	2,567	276	435	3,278
1989 ³	21,950	1,435	133	117	309	23,944	2,540	386	441	3,367

Year beginning October	Mill products ⁴								Total com- mercial feeds
	Wheat mill- feeds	Gluten feed and meal ⁵	Rice mill- feeds	Brew- er's dried grains	Distill- ers' dried grains	Dried and molasses beet pulp ⁶	Alfalfa meal	Total	
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975.....	4,969	1,477	465	321	400	4,292	1,352	13,276	33,423
1976.....	4,798	1,038	502	297	374	4,553	1,036	12,598	31,413
1977.....	4,883	1,223	506	282	403	4,073	1,115	12,485	34,115
1978.....	5,061	1,194	550	309	496	3,681	1,097	12,388	35,445
1979.....	4,804	787	536	339	495	2,698	1,001	10,659	35,580
1980.....	5,118	839	580	319	499	2,371	636	10,363	33,418
1981.....	5,344	1,038	565	263	494	2,314	991	11,010	34,524
1982.....	5,665	718	478	214	751	2,560	978	11,363	36,164
1983.....	5,598	1,807	508	149	622	2,282	990	11,956	34,383
1984.....	5,604	4,133	503	156	890	2,653	891	14,830	40,506
1985.....	5,818	1,163	554	148	962	2,080	856	11,582	36,545
1986.....	6,299	1,284	672	161	887	1,951	649	11,903	37,554
1987.....	6,230	1,636	608	132	1,141	1,761	610	12,118	39,218
1988.....	6,122	1,421	678	117	1,044	1,756	403	11,541	36,808
1989 ³	6,120	1,376	626	125	934	1,764	344	11,291	38,602

¹ Year beginning August 1. ² Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. Beginning 1974, not comparable with earlier years. ³ Preliminary. ⁴ Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. ⁵ Adjusted for export data. ⁶ Does not include wet sugarbeet pulp.

Economic Research Service.

Table 74.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 1975-89

Year beginning October	Quantity for feeding ¹						High- protein animal units	Quantity per animal unit	High- protein feed prices
	Oilseed meal			Animal protein	Grain protein ³	Total			
	Soybean meal	Other oilseed meals ²	Total						
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Million units	Pounds	Index numbers 1967=100
1975.....	16,588	1,680	18,268	3,118	1,153	22,538	96.6	467	193
1976.....	14,934	1,769	16,703	3,244	873	20,820	99.4	419	252
1977.....	17,253	2,147	19,400	3,418	995	23,813	100.9	472	213
1978.....	18,960	2,022	20,982	3,533	1,032	25,548	105.9	483	248
1979.....	21,135	2,279	23,414	3,651	795	27,860	108.6	513	240
1980.....	19,350	2,136	21,486	3,529	824	25,839	107.8	480	279
1981.....	19,485	2,270	21,755	3,766	929	26,450	104.6	506	235
1982.....	21,237	2,108	23,345	3,523	863	27,731	105.4	526	244
1983.....	19,377	1,460	20,836	3,540	1,431	25,807	105.7	488	245
1984.....	21,428	2,159	23,587	4,293	2,957	30,837	105.9	582	165
1985.....	20,999	1,989	22,988	4,139	1,225	28,352	107.1	530	199
1986.....	22,426	1,534	23,960	3,964	1,260	29,185	110.0	531	210
1987.....	23,422	2,088	25,510	3,884	1,597	30,991	112.9	549	279
1988.....	21,778	2,023	23,801	3,572	1,415	28,788	115.2	500	278
1989.....	24,145	1,837	25,982	3,678	1,334	30,993	118.3	524	.....

¹ In terms of 44 percent protein soybean meal equivalent. ² Includes cottonseed, linseed, peanut meal, and sunflower meal. Includes 30,000 tons previously excluded for industrial uses and for fertilizer. ³ Beginning 1974, adjusted for exports of corn gluten feed and meal.

Economic Research Service.

Table 75.—Feed concentrates fed to livestock and poultry, 1975-89

Year beginning October	Feed grains				Wheat ²	Rye ²	By- product feeds ³	Total concentrates	Grain consuming animal units	Concentrates fed per grain- consuming animal unit
	Corn ¹	Sor- ghum ¹	Oats ² and barley ²	Total						
	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Million tons	Millions	Tons
1975.....	100.3	13.8	13.5	127.6	1.1	0.2	36.8	165.7	71.6	2.31
1976.....	100.9	11.5	12.0	124.3	2.2	.1	34.2	160.9	73.1	2.20
1977.....	104.4	12.5	12.5	129.4	5.8	.2	37.3	172.7	74.7	2.31
1978.....	119.7	15.1	13.6	148.4	4.7	.2	41.7	195.0	77.2	2.53
1979.....	127.8	13.9	12.8	154.4	2.6	.2	42.2	199.4	78.1	2.55
1980.....	116.8	9.0	11.0	136.9	1.8	.2	39.9	178.8	76.4	2.34
1981.....	117.1	11.6	12.1	140.8	4.0	.2	40.4	185.5	73.0	2.54
1982.....	126.9	13.9	12.9	153.6	5.8	.3	38.5	198.3	75.2	2.64
1983.....	106.8	10.8	14.3	131.9	11.1	.3	37.4	180.7	74.6	2.42
1984.....	114.5	15.1	14.3	143.9	12.2	.4	47.2	203.8	75.2	2.71
1985.....	115.0	18.6	15.3	148.9	8.5	.3	43.2	200.9	74.5	2.70
1986.....	131.6	15.0	13.3	160.0	12.0	.4	44.7	217.1	74.4	2.92
1987.....	134.7	15.5	11.8	162.1	8.4	.3	46.4	217.2	76.7	2.83
1988.....	111.6	13.1	7.1	131.8	4.7	.3	42.7	179.6	77.1	2.33
1989.....	127.4	14.1	8.8	150.4	4.3	.2	45.2	200.1	78.0	2.57

¹ Marketing year beginning Sept. 1. ² Marketing year beginning June 1. ³ Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements.

Economic Research Service.

Table 76.—Feed consumed per head and per unit of production, by class of livestock or poultry, with quantity expressed in equivalent feeding value of corn, 1975–88

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 ¹	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced ²	Per head	Per 100 pounds produced ³
	Per head	Per 100 pounds milk produced							
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975	12,003	112	6,376	8,336	5,263	5,615	1,612	1,258	1,838
1976	11,870	107	6,354	8,141	5,256	5,592	1,517	1,256	1,882
1977	12,142	109	6,400	8,539	5,270	5,703	1,483	1,261	1,919
1978	12,520	111	6,463	9,094	5,290	5,815	1,462	1,268	1,982
1979	12,601	107	6,477	9,212	5,294	5,791	1,507	1,269	1,989
1980	12,143	100	6,400	8,542	5,270	5,653	1,460	1,262	1,914
1981	12,591	103	6,475	9,197	5,293	5,708	1,457	1,269	1,867
1982	12,907	103	6,528	9,659	5,310	5,837	1,498	1,275	1,736
1983	12,420	100	6,446	8,946	5,284	5,719	1,458	1,266	1,678
1984	12,994	101	6,543	9,786	5,314	5,907	1,465	1,276	1,719
1985	12,926	99	6,531	9,687	5,311	5,884	1,390	1,275	1,633
1986	13,401	99	6,611	10,381	5,336	5,987	1,359	1,284	1,675
1987	13,234	94	6,583	10,137	5,327	5,997	1,328	1,281	1,715
1988 ⁴	12,193	86	6,408	8,615	5,273	5,724	1,261	1,262	1,720

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules 2 years and over per head
	Hens and pullets		Chickens raised		Broilers produced		Turkeys raised			
	Per head Jan. 1	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds produced	Per head	Per 100 pounds produced		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	
1975	108	46	26	571	9.5	273	81	484	583	3,656
1976	105	45	25	559	9.2	248	79	416	587	3,630
1977	111	48	26	581	9.7	267	83	448	592	3,683
1978	119	51	28	621	10.5	289	89	507	681	3,757
1979	121	59	29	631	10.6	271	90	495	651	3,773
1980	111	46	26	570	9.7	257	83	457	550	3,683
1981	120	50	29	621	10.6	266	90	458	576	3,771
1982	127	51	30	652	11.2	279	94	503	676	3,832
1983	117	47	28	605	10.3	257	87	447	578	3,737
1984	129	53	31	656	11.4	281	96	574	643	3,849
1985	127	52	30	651	11.2	275	95	515	621	3,836
1986	137	56	33	692	12.1	304	105	589	693	3,928
1987	134	53	32	666	11.8	285	99	490	691	3,896
1988 ⁴	112	44	27	555	9.8	239	84	423	568	3,693

¹ Feed consumed by all cattle divided by the number on feed Jan. 1. ² Feed for all cattle, except milk cows, divided by the net live-weight production of cattle and calves. It includes the growth on dairy heifers and calves as well as all beef cattle. ³ Including wool produced. ⁴ Preliminary.

Economic Research Service.

Table 77.—Feed consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 1975-89

Year beginning October	Concentrates	Harvested roughage	Pasture	Total	Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>		<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>	<i>Million tons</i>
1975	170	76	251	497	1983	192	81	213	486
1976	169	77	239	484	1984	214	81	202	496
1977	182	77	221	480	1985	209	83	191	483
1978	202	82	204	487	1986	226	81	186	492
1979	207	84	206	497	1987	227	82	178	486
1980	186	80	218	484	1988 ¹	190	72	187	449
1981	193	84	219	496	1989 ²	211			
1982	211	85	213	509					

¹ Preliminary. ² Estimated.

Economic Research Service.

Table 78.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 1975-89 ¹

Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴	Year beginning October	Grain-consuming ²	Roughage-consuming ³	Grain and roughage-consuming ⁴
	<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>		<i>1,000 units</i>	<i>1,000 units</i>	<i>1,000 units</i>
1975	71,637	96,294	86,479	1983	74,587	86,687	81,667
1976	73,140	92,913	84,967	1984	75,173	83,185	79,728
1977	74,723	87,663	82,344	1985	74,463	80,512	77,805
1978	77,214	83,978	81,034	1986	74,402	78,311	76,436
1979	78,064	85,223	82,127	1987	76,744	76,318	76,094
1980	76,365	87,777	83,034	1988	77,054	76,289	76,184
1981	73,027	88,936	82,450	1989 ⁵	77,984	76,352	76,561
1982	75,200	87,730	82,546				

¹ Index series based on average feeding rates for years 1969-71. In calculations for the feeding years 1969 to date, cattle numbers used are the new categories shown in the Livestock and Poultry Inventory, published by NASS, USDA.

² Livestock and poultry numbers weighted by all concentrates consumed. ³ Livestock and poultry numbers weighted by all roughage (including pasture) consumed. ⁴ Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock. ⁵ Preliminary.

Economic Research Service.

Table 79.—Feed grains: Average price, selected markets and grades, 1975-88 ¹

Crop year ²	Kansas City			Minneapolis			
	Corn, No. 2 Yellow	Corn, No. 2 White	Sorghum, No. 2 Yellow	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	Duluth Barley, No. 2 Feed	Oats, No. 2 White
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>
1975	2.69	2.92	4.46	2.67	3.52	2.38	1.66
1976	2.26	2.91	3.49	2.25	3.13	2.35	1.74
1977	2.28	3.30	3.54	2.13	2.27	1.68	1.27
1978	2.56	2.93	4.00	2.32	2.38	1.80	1.43
1979	2.72	4.70	4.65	2.53	2.87	2.16	1.57
1980	3.29	4.96	5.36	3.13	3.64	2.60	2.04
1981	2.60	2.60	4.28	2.44	3.06	2.21	2.14
1982	2.99	3.35	4.92	2.83	2.53	1.63	1.69
1983	3.36	4.70	5.13	3.25	2.84	2.48	1.87
1984	2.74	3.27	4.38	2.62	2.55	2.09	1.81
1985	2.37	2.49	3.72	2.23	2.24	1.53	1.31
1986	1.64	2.17	2.73	1.51	1.89	1.44	1.46
1987	2.12	2.55	3.40	1.99	2.04	1.78	1.92
1988	2.53	3.54	4.16	2.44	3.26	2.09	2.61

Crop year ²	Omaha: Corn, No. 2 Yellow	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Los Angeles			St. Louis: Corn, No. 2 Yellow
				Corn, No. 2 Yellow	Barley, No. 2 Western	Sorghum, No. 2 Yellow	
	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>	<i>Dollars per bushel</i>	<i>Dollars per cwt.</i>	<i>Dollars per bushel</i>
1975	2.66	2.75	4.47	3.34	2.81	5.63	2.70
1976	2.15	2.30	3.64	2.86	2.61	4.68	2.25
1977	2.08	2.26	3.88	2.99	2.35	4.82	2.23
1978	2.28	2.54	4.40	3.39	2.53	5.44	2.51
1979	2.49	2.81	4.97	3.74	2.96	6.32	2.73
1980	3.13	3.38	5.86	4.48	3.57	7.31	3.35
1981	2.46	2.58	4.85	3.72	3.27	6.18	2.61
1982	2.82	2.93	5.30	3.93	2.97	6.56	2.98
1983	3.20	3.41	5.48	4.22	3.45	6.69	3.45
1984	2.60	2.74	4.95	3.78	3.16	6.08	2.75
1985	2.25	2.35	4.33	3.43	2.77	5.57	2.37
1986	1.53	1.64	3.24	2.69	2.38	4.50	1.68
1987	1.98	2.14	3.81	3.22	2.50	5.18	2.19
1988	2.40	2.55	4.45	3.56	2.53	5.82	2.61

¹ Simple average of daily prices. ² For corn and sorghum crop year began in October for 1974-84, September for 1985-87. For barley and oats, crop year begins in June.

Agricultural Marketing Service.

Table 80.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 1975-88

Year beginning October	Soybean meal		Cottonseed meal		Linseed meal	Peanut meal	Meat meal	Tankage digester	Fish- meal	Wheat bran
	44% pro- tein	49-50% protein	41% pro- tein	41% pro- tein	34% protein	45% protein	50% protein	60% protein	60% pro- tein	Kan- sas City
	Deca- tur	Deca- tur	Kan- sas City	Mem- phis	Minne- apolis	S.E. mills	Kansas City	Chicago	West Coast	
	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>
1975.....	147.80	157.70	161.40	145.00	134.60	150.90	180.00	184.10	307.75	88.60
1976.....	199.80	218.70	188.80	173.60	156.90	207.40	225.40	230.90	388.70	81.80
1977.....	164.20	179.40	156.20	139.70	137.75	164.40	204.00	208.50	311.40	70.00
1978.....	190.10	206.20	180.60	164.80	152.20	198.50	243.50	247.90	327.90	87.70
1979.....	181.90	197.00	188.80	164.10	154.40	186.10	233.30	.....	321.00	95.60
1980.....	218.20	235.10	216.20	197.10	160.50	236.00	252.50	.....	359.80	103.40
1981.....	182.50	196.60	168.00	156.20	151.70	182.10	209.20	.....	316.90	82.40
1982.....	187.20	200.90	196.90	176.60	145.10	198.30	219.40	.....	326.60	87.60
1983.....	188.20	203.20	207.00	190.20	140.20	209.00	208.40	.....	323.90	94.80
1984.....	125.40	136.40	120.30	99.40	87.90	.....	150.20	.....	234.60	66.10
1985.....	154.90	166.20	151.00	133.30	114.00	.....	163.75	.....	230.00	59.00
1986.....	162.60	177.30	165.80	148.50	113.20	.....	197.80	.....	265.40	45.90
1987.....	221.90	239.30	197.20	178.50	160.30	.....	255.90	.....	236.20	76.80
1988.....	234.10	252.50	205.30	186.10	168.50	.....	265.40	.....	357.40	81.70

Year beginning October	Wheat mid- dlings	Wheat shorts or mid- dlings	Wheat mill- run	Gluten feed	Homi- ny feed	Distillers' dried grains	Brew- ers' dried grains	Alfalfa meal		Feed- ing molas- ses	Index numbers Jan.- Dec. 1967 = 100 ²	
	Minne- apolis	Kansas City	Port- land	21% pro- tein	Illino- is Points	Lawrence- burg ¹	Mil- waukee	Dehy- drated, 17% protein	Sun- cured	New Orle- ans		
				Illino- is Points				Kansas City	Kan- sas City			
	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>	<i>Dol- lars per ton</i>		
1975.....	86.20	89.00	103.00	93.80	85.40	112.40	97.60	101.70	91.10	48.60	193.1	
1976.....	82.40	81.80	90.40	107.25	74.30	132.40	112.75	95.40	84.30	44.80	239.4	
1977.....	64.80	70.00	84.80	91.30	70.20	121.20	89.90	76.00	67.50	42.70	202.8	
1978.....	80.20	87.70	97.80	120.80	80.40	127.80	106.20	100.75	86.70	79.10	242.0	
1979.....	83.00	95.60	116.00	125.25	87.60	137.80	110.40	109.60	92.40	90.70	240.6	
1980.....	92.80	103.40	129.60	120.20	105.40	161.90	116.00	122.40	108.70	98.90	278.6	
1981.....	71.10	82.40	111.80	113.00	78.70	145.60	96.80	105.60	93.60	50.50	229.8	
1982.....	70.70	87.60	110.40	117.80	96.50	145.30	105.60	120.60	104.40	48.80	237.9	
1983.....	80.20	94.80	116.80	109.10	108.20	169.90	112.60	129.50	114.90	67.10	246.6	
1984.....	47.60	66.10	87.70	73.10	79.10	94.20	63.70	99.20	88.30	48.20	.....
1985.....	46.20	59.00	82.40	90.90	80.80	111.10	74.50	92.70	82.30	68.80	.....
1986.....	32.80	45.90	65.70	98.30	63.40	115.90	81.40	95.10	85.30	56.50	.....
1987.....	65.90	76.80	85.90	117.60	84.60	133.80	111.10	110.70	105.20	59.80	.....
1988.....	73.40	81.70	91.40	122.00	90.10	139.30	121.00	119.40	113.80	64.90	.....

¹ Cincinnati 1974-1980.² Based on prices of the following feedstuffs at leading markets, weighted by average consumption: Soybean meal, cottonseed meal, meat meal, tankage, fishmeal, wheat meals; bran, middlings, and millrun; gluten feed and meal; hominy feed, brewers' and distillers' dried grains; alfalfa meal; rice bran and feeding molasses.

Agricultural Marketing Service.

CHAPTER II

STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

In addition to tables on cotton, tobacco, sugar, and honey, this chapter includes tables on fibers other than cotton and syrups. Cottonseed data, however, are in the following chapter on oilseeds, fats, and oils.

Table 81.—Cotton: Area, yield, production, and value, United States, 1975–89

Year	Area		Yield per harvested acre	Production	Marketing year average price per pound received by farmers ¹	Value of production ¹
	Planted	Harvested				
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 bales ²</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975.....	9,477.6	8,796.0	453	8,301.6	51.3	2,043,678
1976.....	11,635.5	10,913.5	465	10,580.6	64.1	3,254,954
1977.....	13,679.5	13,275.3	520	14,389.2	52.3	3,614,938
1978.....	13,375.1	12,400.0	420	10,855.8	58.4	3,044,991
1979.....	13,977.5	12,830.9	547	14,623.3	62.7	4,404,663
1980.....	14,533.8	13,214.8	404	11,122.1	75.4	4,026,458
1981.....	14,330.1	13,841.2	542	15,645.7	55.6	4,174,776
1982.....	11,345.4	9,733.9	590	11,962.7	59.6	3,422,370
1983.....	7,926.3	7,347.5	508	7,771.4	65.6	2,448,002
1984.....	11,145.4	10,379.1	600	12,981.8	58.9	3,670,508
1985.....	10,684.6	10,229.0	630	13,432.2	56.3	3,628,112
1986.....	10,044.6	8,468.4	552	9,731.1	52.4	2,449,111
1987.....	10,397.2	10,030.3	706	14,759.9	64.3	4,555,017
1988.....	12,514.8	11,948.2	619	15,411.5	56.6	⁴ 4,190,488
1989 ³	10,586.6	9,537.7	619	12,195.6	65.6	3,840,752

¹ Net weight price. 1974–78 includes allowance for unredeemed loans, but does not include Government program payments. 1979–88 are strictly market prices. ² 480-pound net weight bales. ³ Preliminary. ⁴ Average to Apr. 1, 1989.

National Agricultural Statistics Service. Production figures conform with the Bureau of the Census annual ginning enumerations.

Table 82.—Cotton: Area, yield, and production, by States, 1987–89

State	Area planted			Area harvested			Yield per harvested acre			Production ¹		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
Upland:	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 bales ³</i>	<i>1,000 bales ³</i>	<i>1,000 bales ³</i>
AL.....	335.0	390.0	350.0	333.0	375.0	340.0	572	486	551	397.0	380.0	390.0
AZ.....	290.0	350.0	240.0	289.0	349.0	239.0	1,410	1,190	1,326	849.0	865.0	660.0
AR.....	555.0	695.0	610.0	550.0	675.0	595.0	786	742	686	901.0	1,044.0	850.0
CA.....	1,150.0	1,350.0	1,050.0	1,140.0	1,335.0	1,040.0	1,259	1,015	1,223	2,989.0	2,824.0	2,650.0
FL.....	29.5	33.0	25.5	29.0	29.0	25.0	646	566	653	39.0	34.2	34.0
GA.....	250.0	350.0	270.0	245.0	315.0	265.0	662	564	634	338.0	370.0	350.0
KS.....	1.0	1.0	1.5	.9	.9	1.2	480	373	400	.9	.7	1.0
LA.....	605.0	735.0	645.0	600.0	645.0	620.0	782	705	677	977.0	948.0	875.0
MS.....	1,020.0	1,230.0	1,050.0	1,010.0	1,190.0	1,020.0	829	736	734	1,745.0	1,825.0	1,560.0
MO.....	200.0	245.0	214.0	199.0	242.0	209.0	838	607	618	330.0	306.0	269.0
NM.....	66.0	77.0	61.0	62.0	69.0	55.0	689	710	698	89.0	102.0	80.0
NC.....	96.0	126.0	112.0	95.0	124.0	110.0	495	515	611	98.0	133.0	140.0
OK.....	400.0	460.0	380.0	385.0	435.0	330.0	415	334	262	346.0	303.0	180.0
SC.....	120.0	145.0	120.0	119.0	142.0	118.0	428	473	631	106.0	140.0	155.0
TN.....	440.0	535.0	455.0	435.0	530.0	450.0	700	529	505	634.0	584.0	473.0
TX.....	4,700.0	5,600.0	4,600.0	4,400.0	5,300.0	3,700.0	506	472	376	4,635.0	5,215.0	2,900.0
VA.....	1.8	3.2	2.7	1.8	3.2	2.6	373	510	609	1.4	3.4	3.3
US.....	10,259.3	12,325.2	10,186.7	9,893.7	11,759.1	9,119.8	702	615	609	14,475.3	15,077.3	11,570.3
American-Pima:												
AZ.....	91.0	128.0	245.0	90.8	128.0	244.5	1,126	904	893	213.0	241.0	455.0
CA.....	.9	1.8	19.0	.9	1.8	19.0	1,173	853	960	2.2	3.2	38.0
NM.....	14.0	17.8	30.0	13.9	17.8	30.0	642	634	672	18.6	23.5	42.0
TX.....	32.0	42.0	80.0	31.0	41.5	76.0	787	769	808	50.8	66.5	128.0
US.....	137.9	189.6	374.0	136.6	189.1	369.5	1,000	848	861	284.6	334.2	663.0
US, all....	10,397.2	12,514.8	10,560.7	10,030.3	11,948.2	9,489.3	706	619	619	14,759.9	15,411.5	12,233.3

¹ Production ginned and to be ginned. ² Preliminary. ³ 480-pound net weight bales.
 National Agricultural Statistics Service.

Table 83.—Cotton, American upland: Estimated percentage of the crop forward contracted by growers, by States, 1982–89

State	Crop of—							
	1982	1983	1984	1985	1986	1987	1988	1989
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AL.....	13	22	26	19	9	22	9	30
AZ.....	21	19	9	5	25	25	6	20
AR.....	18	24	40	10	11	81	27	43
CA.....	17	60	49	23	81	77	62	83
GA.....	7	18	31	8	4	35	6	44
LA.....	18	21	23	3	.....	20	13	53
MS.....	21	28	31	17	6	44	10	26
MO.....	25	38	53	(¹)	25	93	7	62
NM.....	(¹)	.....	1	2	.....	58	9	10
NC.....	17	28	36	.....	.....	45	4	48
OK.....	1	.....	24	(¹)	13	33	2	18
SC.....	39	62	53	20	.....	44	1	54
TN.....	28	33	35	4	2	67	(¹)	25
TX.....	5	7	19	5	5	23	9	31
US.....	12	21	27	9	15	39	16	39

¹ Less than 0.5 percent.
 Agricultural Marketing Service.

Table 84.—Cotton: Production, Marketing Year average price per pound, and value, by States, 1987–89

State	Production ¹			Price for crop of—			Value of production		
	1987	1988	1989 ²	1987	1988	1989 ^{2,3}	1987	1988	1989 ³
Upland:	<i>1,000 bales ⁴</i>	<i>1,000 bales ⁴</i>	<i>1,000 bales ⁴</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	397.0	380.0	383.0	64.8	53.3	63.2	123,483	97,219	116,187
AZ.....	849.0	865.0	649.0	65.7	57.2	66.2	267,741	237,494	206,226
AR.....	901.0	1,044.0	851.0	63.5	54.4	62.7	274,625	272,609	256,117
CA.....	2,989.0	2,824.0	2,661.0	69.6	64.7	70.4	998,565	877,021	899,205
FL.....	39.0	34.2	29.0	63.0	52.0	65.0	11,794	8,536	9,048
GA.....	338.0	370.0	342.0	61.8	55.2	64.8	100,264	98,035	106,376
KS.....	.9	.7	.2	58.4	46.8	57.0	252	157	55
LA.....	977.0	948.0	868.0	63.2	54.5	63.6	296,383	247,997	264,983
MS.....	1,745.0	1,825.0	1,555.0	63.6	53.7	61.3	532,714	470,412	457,543
MO.....	330.0	306.0	269.0	66.0	53.5	64.7	104,544	78,581	83,541
NM.....	89.0	102.0	80.0	66.3	62.3	69.9	28,323	30,502	26,842
NC.....	98.0	133.0	141.0	62.0	54.0	62.7	29,165	34,474	42,435
OK.....	346.0	303.0	173.0	58.4	46.8	57.0	96,991	68,066	47,333
SC.....	106.0	140.0	154.0	59.1	53.6	65.5	30,070	36,019	48,418
TN.....	634.0	584.0	476.0	63.0	53.9	62.6	191,722	151,092	143,028
TX.....	4,635.0	5,215.0	2,870.0	59.6	51.6	59.0	1,325,981	1,291,651	812,784
VA.....	1.4	3.4	2.7	62.0	54.0	62.7	417	881	813
US.....	14,475.3	15,077.3	11,503.9	63.7	55.6	63.3	4,413,034	4,000,746	3,520,934
American-Pima:									
AZ.....	213.0	241.0	477.0	104.0	118.0	95.2	106,330	136,502	217,970
CA.....	2.2	3.2	40.2	104.0	118.0	95.2	1,098	1,812	18,370
MS.....			1.0			67.0			322
NM.....	18.6	23.5	44.5	103.0	122.0	100.0	9,196	13,762	21,360
TX.....	50.8	66.5	129.0	103.0	118.0	99.8	25,359	37,066	61,796
US.....	284.6	334.2	691.7	104.0	118.0	96.3	141,983	189,742	319,818
US, all.....	14,759.9	15,411.5	12,195.6	64.3	56.6	65.6	4,555,017	4,190,488	3,840,752

¹ Production ginned and to be ginned. ² Preliminary. ³ Average to Apr. 1, 1989 with no allowance for unredeemed loans. ⁴ 480-pound net weight bales.

National Agricultural Statistics Service.

Table 85.—Cotton, American upland: Price-support operations, United States, 1975–90

Year beginning August	Support price ^{1,2}		Put under support ⁴		Acquired by CCC under support ⁵	Owned by CCC July 31
	Per pound	Percentage of parity ³	Quantity	Percentage of production		
	<i>Cents</i>	<i>Percent</i>	<i>1,000 bales ⁶</i>	<i>Percent</i>	<i>1,000 bales ⁶</i>	<i>1,000 bales ⁶</i>
1975.....	\$ 38.00	.....	691	8.5	(⁷)	0
1976.....	\$ 43.20	.....	941	9.2	(⁷)	0
1977.....	\$ 47.80	.....	4,518	31.6	2	(⁷)
1978.....	\$ 52.00	.....	1,524	14.2	(⁷)	(⁷)
1979.....	\$ 57.70	.....	1,720	11.8	(⁷)	(⁷)
1980.....	\$ 58.40	.....	2,276	20.7	22	(⁷)
1981.....	\$ 70.87	.....	6,028	38.7	931	1
1982.....	\$ 71.00	.....	5,003	42.2	786	397
1983.....	\$ 76.00	.....	1,743	22.7	0	158
1984.....	\$ 81.00	.....	2,957	23.0	649	123
1985.....	\$ 81.00	.....	7,289	54.9	161	767
1986.....	\$ 81.00	.....	6,170	64.8	12	73
1987.....	\$ 79.40	.....	5,361	37.0	⁹ 131	3
1988.....	\$ 75.90	.....	⁹ 11,231	⁹ 74.5	⁹ 60	⁹ 50
1989.....	\$ 73.40	.....	⁹ 3,732	⁹ 32.4		⁹ 20
1990.....	\$ 72.90	.....			

¹ Average of the crop from 1966 through 1970; Middling 1-inch, micronaire 3.5–4.9, net weight for 1971 through 1973, established "target" price for 1974 and succeeding years. ² Includes price-support payments as follows: On production from area planted within the farm base area allotment, 15 cents in 1973. ³ Percentage of parity price as of the beginning of the marketing year. ⁴ Includes loans made. ⁵ Acquisitions from crop harvested in the year indicated and not acquisitions during that year. ⁶ Running bales. ⁷ Less than 500 bales. ⁸ Established price or "target" price. If the average market price is below the target price, eligible producers will receive payment at a rate equal to the difference between the target price and the higher of the loan level or the average market price. No payments were made on the 1973–80 crops. ⁹ Estimated.

Agricultural Stabilization and Conservation Service.

Table 86.—Cotton: Area, yield, and production in specified countries, 1987-90 ¹

Continent and country	Area			Yield per hectare			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
North and Central America:	1,000 hectares	1,000 hectares	1,000 hectares	Kilo- grams	Kilo- grams	Kilo- grams	1,000 bales ³	1,000 bales ³	1,000 bales ³
United States.....	4,061	4,835	3,860	791	694	688	14,760	15,411	12,196
El Salvador.....	14	13	10	715	687	653	46	41	30
Guatemala.....	40	40	40	1,198	1,034	1,034	220	190	190
Honduras.....	4	4	3	708	708	508	13	13	7
Mexico.....	230	255	188	956	1,209	891	1,010	1,416	769
Nicaragua.....	60	34	35	591	762	715	163	119	115
Other incl. Caribbean.....	20	21	21	294	290	301	27	28	29
Total.....	4,429	5,202	4,157	798	721	698	16,239	17,218	13,336
South America:									
Argentina.....	515	501	565	547	389	462	1,295	896	1,200
Bolivia.....	9	2	4	363	218	272	15	2	5
Brazil.....	2,156	2,367	2,200	355	311	300	3,514	3,376	3,030
Colombia.....	234	218	190	571	553	550	614	554	480
Ecuador.....	17	14	21	371	498	415	29	32	40
Paraguay.....	420	440	540	488	500	454	942	1,010	1,125
Peru.....	138	170	136	776	657	608	492	513	380
Venezuela.....	53	74	79	456	471	358	111	160	130
Total.....	3,542	3,786	3,735	431	376	372	7,012	6,543	6,390
Europe:									
Greece.....	202	256	278	861	913	916	799	1,074	1,170
Italy.....	0	1	1	0	218	218	0	1	1
Spain.....	79	137	68	1,047	807	913	380	508	285
Bulgaria.....	14	14	14	311	311	311	20	20	20
Yugoslavia.....	1	1	1	218	218	218	1	1	1
Other Europe.....	28	28	28	272	272	272	35	35	35
Total.....	324	437	390	830	817	844	1,235	1,639	1,512
Soviet Union.....	3,527	3,527	3,333	709	779	799	11,491	12,621	12,226
Africa:									
Angola.....	25	25	25	174	174	174	20	20	20
Cameroon.....	95	112	95	474	612	458	207	315	200
Central African Rep.....	75	65	60	99	167	163	34	50	45
Chad.....	160	190	175	299	276	320	220	241	257
Zaire.....	42	39	37	119	117	118	23	21	20
Kenya.....	138	140	140	57	67	62	36	43	40
Malawi.....	50	50	50	218	218	218	50	50	50
Morocco.....	15	18	14	740	508	638	51	42	41
Mozambique.....	135	125	135	113	113	121	70	65	75
Nigeria.....	320	370	375	94	115	93	138	195	160
Zimbabwe.....	272	270	230	427	434	407	583	588	480
South Africa.....	205	208	170	377	374	378	355	357	295
Sudan.....	330	349	280	404	437	473	612	700	608
Tanzania.....	460	430	260	177	147	139	374	291	166
Uganda.....	260	300	280	71	73	74	85	100	95
Egypt.....	416	426	423	845	718	674	1,614	1,405	1,309
Other Africa.....	762	914	943	487	482	459	1,705	2,024	1,986
Total.....	3,760	4,031	3,692	355	349	342	6,127	6,457	5,797
Asia, Mid-East, and Oceania:									
Afghanistan.....	40	45	55	1,002	1,002	364	184	207	92
Australia.....	247	186	245	1,149	1,538	1,204	1,304	1,314	1,355
Burma.....	183	180	180	148	151	151	124	125	125
China.....	4,844	5,535	5,203	876	751	728	19,500	19,100	17,400
India.....	6,459	7,297	7,600	249	247	286	7,388	8,276	10,000
Iran.....	196	192	222	541	625	554	487	551	565
Iraq.....	65	65	65	218	218	218	65	65	65
Israel.....	40	48	28	1,475	1,293	1,571	271	285	202
Korea, Rep. of.....	1	1	1	218	218	218	1	1	1
Pakistan.....	2,568	2,508	2,598	572	568	560	6,741	6,547	6,684
Yemen (Aden).....	16	16	16	340	340	340	25	25	25
Syria.....	129	171	158	751	667	874	445	524	634
Thailand.....	64	71	67	388	497	507	114	162	156
Turkey.....	586	737	725	916	882	851	2,465	2,985	2,835
Other Asia.....	98	107	104	291	262	312	131	129	149
Total.....	15,536	17,159	17,267	550	511	508	39,245	40,296	40,288
World total.....	31,118	34,142	32,574	569	541	532	81,349	84,774	79,549

¹ Harvest season beginning Aug. 1.² Preliminary.³ 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 87.—Cotton: Supply and distribution, United States, 1975-89

Year beginning August	Supply					Distribution				
	Beginning of season		Ginnings in season ¹	Im-ports ²	Total supply	Consumption		Exports	Carryover, end of season	
	Foreign	Total				Foreign	Total ³		Foreign	Total
	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴	1,000 bales ⁴
1975.....	17	5,481	8,174	92	13,746	23	6,986	3,178	48	3,594
1976.....	48	3,594	10,395	38	14,027	35	6,478	4,565	13	2,920
1977.....	13	2,920	14,076	5	17,002	12	6,236	5,219	6	5,326
1978.....	6	5,326	10,478	4	15,808	4	6,098	5,850	4	3,782
1979.....	4	3,782	14,389	5	18,177	3	6,261	8,779	2	3,027
1980.....	2	3,027	10,671	27	13,726	2	5,664	5,639	1	2,595
1981.....	1	2,595	15,146	26	17,767	(⁵)	5,043	6,263	2	6,399
1982.....	2	6,399	11,488	2	17,890	5	5,259	4,961	1	7,561
1983.....	1	7,561	7,665	9	15,235	(⁵)	5,628	6,419	1	2,906
1984.....	1	2,906	12,452	21	15,379	(⁵)	5,268	5,943	(⁶)	4,088
1985.....	(⁶)	4,088	13,063	28	17,179	(⁵)	6,198	1,875	(⁶)	9,041
1986.....		9,041	9,294	3	18,337		7,096	6,366		4,797
1987.....		4,797	14,493	3	19,294		7,294	6,297		5,684
1988.....		5,684	14,939	5	20,628		7,444	5,987		6,984
1989 ?		6,984								

¹ Ginnings during the 12 months, Aug. 1-July 31. Includes an allowance for "city crop" which consists of rebaled samples and pickings from cotton damaged by fire and weather. ² Total imports minus re-exports. ³ Adjusted to marketing year. ⁴ Equivalent running bales. ⁵ Data withheld to avoid disclosing figures for individual companies. ⁶ Less than 500 bales. ⁷ Preliminary.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

Table 88.—Cotton: Mill consumption, by growths, United States, 1975-88

Year beginning August	Domestic			Foreign				All growths
	Upland	American Pima ¹	Total	Egyptian	Indian	Other	Total	
	Bales ²	Bales ²	Bales ²	Bales ²	Bales ²	Bales ²	Bales ²	Bales ²
1975.....	6,888,486	74,137	6,962,623	12,317	9,966	702	22,985	6,985,608
1976.....	6,394,429	48,407	6,442,836	(³)	(³)	(³)	34,888	6,477,724
1977.....	6,170,934	53,246	6,224,180	(³)	(³)	(³)	11,698	6,235,878
1978.....	6,031,854	62,146	6,094,000	(³)	(³)	(³)	4,143	6,098,143
1979.....	6,196,192	61,843	6,258,035	(³)	(³)	(³)	2,717	6,260,752
1980.....	5,601,874	59,375	5,661,249	(³)	(³)	(³)	2,375	5,663,624
1981.....	4,998,461	44,670	5,043,131	(³)	(³)	(³)	(³)	5,043,131
1982.....	5,205,024	48,525	5,253,549	(³)	(³)	(³)	5,046	5,258,595
1983.....	5,564,206	64,130	5,628,336	(³)	(³)	(³)	(³)	5,628,336
1984.....	5,221,480	46,272	5,267,752	(³)	(³)	(³)	(³)	5,267,752
1985.....	6,138,579	59,094	6,197,673	(³)	(³)	(³)	(³)	6,197,673
1986.....	7,031,918	64,070	7,095,988	(³)	(³)	(³)	(³)	7,095,988
1987.....	7,243,982	49,617	7,293,599	(³)	(³)	(³)	(³)	7,293,599
1988.....	7,376,019	67,764	7,443,783	(³)	(³)	(³)	(³)	7,443,783

¹ Includes Sea Island, foreign and other domestic cotton. ² Equivalent running bales. ³ Not reported separately.

Agricultural Marketing Service. Compiled from reports of the Bureau of the Census.

Table 89.—Cotton, American upland: Carryover and crop, running bales, by grade groupings, United States, 1980-89

Year beginning August	White ¹						Light Spotted				Other Colored ²	All grades ³
	11	21	31	41	51	61 and 71	22 and higher	32	42	52 and lower		
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
Carryover:												
1980.....	(*)	109	463	949	471	63	3	280	320	89	242	2,990
1981.....	(*)	31	392	877	391	53	1	86	334	151	226	2,542
1982.....	(*)	56	499	1,279	890	153	4	347	1,394	1,095	652	6,309
1983.....	(*)	30	340	1,795	1,254	157	14	640	1,765	780	685	7,461
1984.....	(*)	26	458	899	460	32	7	180	388	182	177	2,811
1985.....	(*)	102	503	734	693	71	2	103	571	1,018	214	4,011
1986.....	(*)	63	1,530	2,233	749	50	8	362	1,823	1,501	665	8,984
1987.....	1	36	589	939	373	35	5	214	960	749	807	4,709
1988.....	3	163	920	1,846	698	68	26	441	693	293	451	5,603
1989.....	5	496	1,918	2,168	483	82	40	394	702	341	291	6,920
Crop:												
1980.....	(*)	84	2,621	3,047	1,093	185	2	380	1,790	748	775	10,724
1981.....	1	142	2,570	3,539	1,454	248	5	721	3,209	2,074	1,110	15,073
1982.....	(*)	77	1,508	3,434	1,935	230	17	700	1,939	914	676	11,430
1983.....	(*)	22	1,120	2,404	792	91	3	328	1,086	772	794	7,413
1984.....	1	261	2,704	2,559	1,360	184	9	406	1,717	2,892	324	12,419
1985.....	(*)	113	2,383	3,528	933	67	6	574	2,804	2,135	294	12,837
1986.....	1	162	2,049	1,742	373	32	4	501	1,947	1,404	1,022	9,237
1987.....	6	593	3,256	4,483	1,419	124	55	1,177	1,657	672	642	14,083
1988.....	10	1,095	5,146	4,786	815	67	59	711	1,164	411	199	14,462
1989.....	4	416	3,529	3,701	682	57	69	638	805	227	830	10,958

¹ "Plus" grades included.² Includes all grades of Spotted, Tinged, Stained, Light Gray, Gray, and Below Grade.³ As reported by the Bureau of the Census.⁴ Less than 500 bales.

Agricultural Marketing Service.

Table 90.—Cotton, American upland: Carryover and crop, running bales, by staple groupings, United States, 1980-89

Year beginning August	Staple										All staples ¹
	26 and shorter	28	29	30	31	32	33	34	35	36 and longer	
	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
Carryover:											
1980.....	1	9	29	117	195	373	415	666	853	331	2,990
1981.....	1	8	18	86	120	260	293	701	694	362	2,542
1982.....	2	29	133	500	855	778	532	1,381	1,569	530	6,309
1983.....	1	21	85	485	890	598	477	1,115	2,224	1,564	7,461
1984.....	(2)	1	7	56	135	233	255	664	910	550	2,811
1985.....	2	32	74	218	309	270	231	639	1,079	1,157	4,011
1986.....	8	57	185	488	778	754	613	1,064	2,423	2,613	8,984
1987.....	(2)	10	15	86	108	250	467	1,070	1,727	976	4,709
1988.....	(2)	1	10	54	154	376	754	1,217	1,798	1,238	5,603
1989.....	2	9	37	208	550	758	693	1,047	1,863	1,754	6,920
Crop:											
1980.....	7	51	164	452	798	1,040	903	1,670	3,318	2,322	10,724
1981.....	2	25	155	805	1,924	1,700	1,124	2,725	4,419	2,194	15,073
1982.....	2	16	78	412	935	676	454	985	3,509	4,362	11,430
1983.....	3	22	65	251	482	471	513	1,012	2,531	2,063	7,413
1984.....	7	45	122	414	761	719	715	1,149	2,858	5,630	12,419
1985.....	(2)	5	38	234	825	889	883	1,679	4,182	4,101	12,837
1986.....	(2)	2	13	58	226	491	1,058	1,859	3,184	2,346	9,237
1987.....	1	4	18	71	277	698	1,505	2,643	5,119	3,748	14,083
1988.....	2	16	78	303	929	1,394	1,438	1,567	3,579	5,148	14,462
1989.....	1	14	70	236	507	653	716	1,203	3,402	4,155	10,958

¹ As reported by the Bureau of the Census.² Less than 500 bales.

Agricultural Marketing Service.

Table 91.—Cotton, American Pima: Carryover, 1987-88, and crop, 1987-89, running bales, by grade and staple, United States

Year beginning August	Grade					Staple				All grades and all staples ¹
	01 and 02	03	04	05	06 and 07	42 and shorter	44	46	48 and longer	
Carryover:	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales	1,000 bales
1988.....	13.2	17.1	10.9	3.5	6.4	1.7	26.8	21.3	1.2	51.0
1989.....	7.5	18.6	27.3	8.1	2.8	3.9	24.6	31.8	4.2	64.4
Crop:										
1987.....	27.3	131.1	88.6	19.5	8.6	1.2	54.5	219.1	.4	275.1
1988.....	26.3	182.2	93.6	11.6	6.1	4.8	101.0	186.3	27.8	319.8
1989.....	57.0	373.3	188.3	28.1	16.7	8.6	268.7	377.7	8.3	663.3

¹ Bureau of the Census.

Agricultural Marketing Service.

Table 92.—Cotton, upland: Average staple length of upland cotton ginned, by States, 1984-89

State	Average staple length (32ds of an inch) ¹					
	1984	1985	1986	1987	1988	1989
AL.....	35.0	35.1	35.1	34.3	34.9	35.1
AZ.....	35.3	35.2	35.2	35.5	35.6	35.3
AR.....	35.7	35.5	35.1	35.1	35.5	35.6
CA.....	36.2	35.9	35.6	35.7	36.4	35.9
GA.....	35.4	35.0	35.3	35.1	35.2	35.2
LA.....	35.8	34.6	34.6	35.0	35.2	35.0
MS.....	35.4	34.9	34.2	34.7	35.1	35.4
MO.....	35.8	35.9	35.7	35.1	35.5	35.3
NM.....	35.9	35.5	36.2	36.0	35.9	36.5
NC.....	35.6	35.5	35.4	35.1	35.2	35.4
OK.....	32.2	32.9	33.3	34.3	32.9	32.2
SC.....	35.8	35.6	35.0	35.1	35.3	35.9
TN.....	34.6	35.0	34.7	34.7	35.1	34.8
TX.....	32.4	32.7	33.3	33.6	32.5	32.6
Other States.....	(²)	(²)	(²)	(²)	(²)	(²)
U.S.....	34.7	34.5	34.6	34.6	34.5	34.7

¹ Average calculated on numerical equivalents of the staple-length designations. For example, $\frac{3}{8}$ -inch = 28, $\frac{7}{16}$ -inch = 29, etc. ² Not available.

Agricultural Marketing Service.

Table 93.—Cotton: International trade, 1983/84-1988/89

Country	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89
Principal exporting countries:	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Mexico.....	475	375	380	220	375	360
Nicaragua.....	300	250	223	211	175	110
United States.....	6,786	6,215	1,960	6,684	6,582	6,148
Brazil.....	80	354	358	303	597	464
Peru.....	50	140	115	83	14	152
Greece.....	235	161	73	365	138	505
Soviet Union.....	3,202	2,994	3,170	3,462	3,457	3,564
China.....	760	944	2,799	3,169	2,322	1,636
Pakistan.....	377	1,261	3,148	2,870	2,358	3,780
Syria.....	696	473	460	276	151	265
Turkey.....	499	684	322	510	197	666
Egypt.....	780	560	837	586	436	294
Sudan.....	1,004	590	499	820	725	775
Ivory Coast.....	187	200	385	294	322	462
Australia.....	374	690	1,138	1,180	818	1,319
Total.....	15,849	16,328	15,923	20,948	18,667	20,700

See footnotes at end of table.

Table 93.—Cotton: International trade, 1983/84-1988/89 ¹—Continued

Country	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89
	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Principal importing countries:						
Canada.....	243	216	287	151	210	187
Austria.....	106	101	96	115	119	101
Belgium-Luxembourg.....	157	177	184	254	210	222
France.....	775	728	692	811	735	683
Germany, Fed. Rep. of.....	988	1,069	987	1,376	976	1,060
Italy.....	1,150	1,162	1,194	1,539	1,423	1,458
Netherlands.....	43	46	56	48	39	34
Poland.....	673	746	710	646	768	813
Portugal.....	668	734	781	875	852	827
Spain.....	368	346	369	532	519	395
Sweden.....	25	25	25	25	24	17
Switzerland.....	255	254	292	356	387	300
United Kingdom.....	217	237	233	258	245	197
Hong Kong.....	997	851	1,096	1,508	1,206	1,376
South Korea.....	1,602	1,601	1,682	1,901	1,957	2,145
Japan.....	3,338	3,125	3,054	3,688	3,431	3,486
Taiwan.....	1,171	1,294	1,534	2,357	1,608	1,781
Total.....	12,776	12,744	13,287	16,374	14,709	15,087

¹ Marketing year beginning Aug. 1. ² 480-pound net weight.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 94.—Cotton: United States exports, by country of destination, 1986/87-1988/89

Country of destination	Year beginning August			Country of destination	Year beginning August		
	1986-87	1987-88	1988-89		1986-87	1987-88	1988-89
	1,000 bales ¹	1,000 bales ¹	1,000 bales ¹		1,000 bales ¹	1,000 bales ¹	1,000 bales ¹
Austria.....	0	1	2	Australia.....	0	1	0
Belgium/Luxembourg.....	66	92	49	Canada.....	60	153	148
Denmark.....	3	7	3	Chile.....	0	2	2
Finland.....	20	15	8	Colombia.....	0	1	.....
France.....	91	67	9	Egypt.....	69	93	102
Germany, Fed. Rep. of.....	284	376	256	Hong Kong.....	45	88	108
Italy.....	242	407	239	India.....	0	8	2
Netherlands.....	6	8	6	Indonesia.....	310	287	307
Norway.....	9	9	6	Israel.....	8	18	6
Poland.....	0	51	16	Japan.....	1,429	1,569	1,381
Portugal.....	76	58	28	Korea, Rep. of.....	1,232	1,450	1,302
Spain.....	61	83	51	Pakistan.....	3	3	2
Sweden.....	15	19	16	Philippines.....	127	135	50
Switzerland.....	36	67	41	South Africa.....	4	15	0
United Kingdom.....	57	69	37	Taiwan.....	749	424	254
Yugoslavia.....	9	18	23	Thailand.....	205	248	172
Other Europe.....	94	195	97	Uruguay.....	.....	1	.....
Total Europe.....	1,069	1,542	887	Other countries.....	613	544	1,424
				Total.....	5,923	6,582	6,147

¹ 480 pounds net. ² Less than 500 bales.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce and U.S. Export Sales.

Table 95.—Cotton and cotton linters: United States imports for consumption, by country of origin, 1986/87–1988/89

Country of origin	Year beginning August			Country of origin	Year beginning August		
	1986/87	1987/88	1988/89		1986/87	1987/88	1988/89
	<i>Bales</i> ¹	<i>Bales</i> ¹	<i>Bales</i> ¹		<i>Bales</i> ¹	<i>Bales</i> ¹	<i>Bales</i> ¹
Cotton, raw:				Cotton linters:			
Egypt.....	219	0	0	Colombia.....	2,612	10,325	3,674
India.....	446	116	158	Guatemala.....	2,021	0	0
Mexico.....	1,726	1,392	0	Mexico.....	22,685	18,052	11,721
Pakistan.....	189	81	825	Brazil.....	16,711	35,597	18,743
Other countries.....	40	0	4,300	Turkey.....	59,296	32,044	11,787
				Other countries.....	33,647	24,228	12,118
Total.....	2,620	1,569	5,283	Total.....	136,972	120,246	58,043

¹ 480 pounds net. ² 600 pounds net.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 96.—Cotton, American upland: Percentage distribution of mike readings, by specified groups, United States, 1975–89

Year beginning August	Mike groups						
	26 and below	27 to 29	30 to 32	33 to 34	35 to 49	50 to 52	53 and above
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1975.....	3.3	7.9	9.5	5.3	68.7	4.3	1.0
1976.....	1.3	2.8	5.0	4.5	77.2	7.0	2.2
1977.....	.1	.6	1.9	2.2	80.2	11.4	3.6
1978.....	.2	1.4	4.6	4.7	76.7	9.5	2.9
1979.....	1.8	9.1	11.3	5.6	66.6	4.5	1.1
1980.....	.3	1.7	4.0	3.7	80.3	8.3	1.7
1981.....	1.0	3.6	7.8	5.8	73.5	6.6	1.7
1982.....	.5	1.2	2.7	3.0	87.9	4.0	.7
1983.....	.5	1.7	3.6	3.7	83.7	5.7	1.1
1984.....	2.4	6.2	8.7	5.9	73.2	3.0	.6
1985.....	.4	1.4	3.8	4.6	84.7	4.3	.8
1986.....	2.2	4.2	5.4	4.1	75.3	6.3	2.5
1987.....	1.4	3.4	6.2	5.5	80.0	3.0	.6
1988.....	.4	1.3	3.6	4.6	87.3	2.4	.5
1989.....	2.3	4.2	5.6	4.6	78.8	3.6	.9

Agricultural Marketing Service.

Table 97.—Cotton, American upland: Average spot prices for specified grades of 1½-inch staple in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1976–89

Year beginning August	White				Light Spotted			Spotted	
	Middling	Strict Low Middling	Low Middling	Strict Good Ordinary	Middling	Strict Low Middling	Low Middling	Middling	Strict Low Middling
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1976.....	72.28	70.88	68.23	63.11	70.94	68.41	63.98	65.04	62.12
1977.....	54.19	52.74	49.73	45.89	52.76	49.89	46.40	47.57	45.03
1978.....	63.23	61.58	57.98	53.39	61.57	58.15	53.91	55.19	52.63
1979.....	72.69	71.48	68.44	61.90	71.42	68.44	62.54	64.14	60.90
1980.....	84.12	82.99	79.20	71.17	82.89	79.27	72.17	74.11	69.94
1981.....	61.86	60.48	54.92	46.43	60.33	55.71	47.63	50.01	45.57
1982.....	64.91	63.08	57.49	49.47	62.87	58.50	50.86	53.19	49.08
1983.....	74.80	73.11	68.58	61.93	72.90	69.63	63.62	65.37	61.64
1984.....	61.72	60.51	54.94	48.29	60.25	55.75	50.14	51.36	47.87
1985.....	61.12	60.01	55.88	48.31	59.89	56.71	50.27	51.67	47.32
1986.....	54.89	53.16	49.64	43.48	53.11	50.71	45.44	46.32	42.70
1987.....	65.04	63.13	60.41	54.35	63.17	61.16	56.38	57.21	53.94
1988.....	59.42	57.67	54.35	46.21	57.69	55.00	48.25	(¹)	45.74
1989.....									

¹ Not available.

Agricultural Marketing Service.

Table 98.—Cotton, American upland: Average spot prices for specified staple lengths of Strict Low Middling in the designated markets for mixed lots, net weight, uncompressed in warehouse, cents per pound, 1976–89

Year beginning August	Staple							
	28	29	30	31	32	33	34	35
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1976.....	61.86	62.68	63.87	64.66	65.99	69.34	70.88	71.08
1977.....	45.09	45.74	46.79	47.30	48.26	51.27	52.74	52.95
1978.....	51.91	52.49	53.43	54.22	55.23	59.92	61.58	61.89
1979.....	59.03	59.54	60.54	62.08	63.42	69.53	71.48	71.87
1980.....	66.52	67.26	69.74	73.96	75.70	80.95	82.99	83.39
1981.....	47.60	48.14	49.92	52.54	54.13	58.28	60.48	60.89
1982.....	50.27	50.55	52.40	54.89	56.43	60.79	63.08	63.48
1983.....	60.82	61.00	62.53	64.63	66.32	70.71	73.11	73.55
1984.....	50.33	50.54	52.30	54.60	56.04	58.30	60.51	60.95
1985.....	50.16	50.35	52.16	54.41	55.80	57.86	60.01	60.48
1986.....	43.01	43.06	44.76	46.70	47.86	50.78	53.16	53.70
1987.....	56.25	56.25	57.38	58.44	59.33	60.81	63.13	63.63
1988.....	(¹)	48.02	48.94	50.21	52.39	54.12	57.67	58.13
1989.....								

¹ Not available.

Agricultural Marketing Service.

Table 99.—Cotton, American upland: High, low, and season average spot prices for the base quality in the designated markets, cents per pound, 1976-89 ¹

Season beginning August	Strict Low Middling 1½"*			Season beginning August	Strict Low Middling 1½"*		
	Average	High	Low		Average	High	Low
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1976.....	70.88	79.36	55.21	1983.....	73.11	81.61	63.79
1977.....	52.74	59.28	47.02	1984.....	60.51	65.46	57.60
1978.....	61.58	67.57	56.46	1985.....	60.01	65.94	55.09
1979.....	71.48	84.82	60.62	1986.....	53.16	76.00	25.94
1980.....	82.99	92.29	72.65	1987.....	63.13	77.17	56.45
1981.....	60.48	71.31	53.51	1988.....	57.67	69.91	50.05
1982.....	63.08	73.35	57.34	1989.....			

¹ Prices are for mixed lots, net weight, uncompressed in warehouse.

Agricultural Marketing Service.

Table 100.—Cotton, American upland: Season average spot prices for the base quality, by designated markets, cents per pound, 1980-89 ¹

Market	Strict Low Middling 1½s inches										
	1980	1981	1982	1983	1984	1985	1986	1987	1988		1989 ²
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Market area</i> <i>Cents</i>
Greenville	84.54	61.57	63.50	73.28	61.08	60.52	51.66	63.37			
Augusta	85.21	61.87									
Montgomery	84.28	61.34	63.50	72.93	60.56	60.17	51.34	62.79			
Memphis	83.81	61.00	63.33	73.25	60.73	60.40	51.70	62.54			
Greenwood	84.30	61.34	63.35	73.14	60.98	60.69	51.99	62.41			
Dallas	80.65	58.32	61.62	70.79	58.94	58.96	51.03	61.14			
Lubbock	79.66	57.96	60.84	70.35	58.93	59.17	51.20	61.09			
Phoenix	81.70	59.93	63.17	74.13	61.57	59.84	55.38	65.69			
Fresno	82.80	61.02	64.49	77.02	61.29	60.35	60.97	66.02			
Average	82.99	60.48	63.08	73.11	60.51	60.01	53.16	63.13			

¹ Year beginning August. Prices are for mixed lots, net weight, uncompressed in warehouse. ² Eleven month average, Sept. 1988-July 1989.

Agricultural Marketing Service.

Table 101.—Cotton: Average charge per 480-pound net weight bale to farmers for ginning cotton (including bagging and ties), by States, 1983-88 ¹

Kind of cotton and State	1983	1984	1985	1986	1987	1988
Upland:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	36.46	36.27	37.76	37.04	36.85	36.84
AZ.....	43.17	40.16	40.70	40.33	40.31	41.04
AK.....	41.12	40.82	38.94	37.19	38.72	39.31
CA.....	50.15	49.84	48.91	48.62	48.44	47.31
GA.....	43.34	42.93	42.89	42.41	42.53	43.06
LA.....	35.24	38.43	38.46	37.20	37.41	36.98
MS.....	38.54	37.62	36.59	37.16	37.64	38.40
MO.....	41.90	39.49	37.39	39.76	41.25	42.17
NM.....	49.72	51.85	54.26	52.80	55.31	53.43
NC.....	45.40	46.18	45.42	45.83	45.72	46.80
OK.....	46.35	50.15	48.57	50.35	50.60	47.74
SC.....	41.11	41.52	42.97	42.81	43.04	44.07
TN.....	39.50	39.71	38.78	34.69	34.80	35.02
TX.....	50.20	52.48	50.18	52.92	53.81	51.45
All upland cotton.....	45.87	45.64	44.86	44.91	45.82	45.14
American Pima.....	62.00	60.00	61.00	n.a.	n.a.	n.a.

¹ Crop year beginning Aug. 1. Includes bagging and ties, drying of seed cotton, and use of lint cleaners.
n.a. not available.

Economic Research Service.

Table 102.—Cotton linters: Supply, distribution, season average price, United States, 1976-89

Year beginning August	Supply				Distribution		Price per pound ¹		
	Stocks Aug. 1	Production	Imports	Total	Consumption	Exports	Felting linters		Chemical grade
							High grade	Medium grade	
	<i>1,000 bales ²</i>	<i>1,000 bales ²</i>	<i>1,000 bales ³</i>	<i>1,000 bales ²</i>	<i>1,000 bales ²</i>	<i>1,000 bales ⁴</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1976.....	445	983	70	1,498	999	210	10.26	7.36	3.75-7.25
1977.....	279	1,174	50	1,504	970	239	9.85	7.12	5.25-6.87
1978.....	282	1,077	60	1,419	980	263	11.92	9.70	7.00-8.60
1979.....	229	1,129	80	1,438	897	276	15.34	12.63	11.56-13.36
1980.....	316	1,097	40	1,452	832	261	14.46	9.52	9.00-11.82
1981.....	356	1,210	22	1,588	823	267	13.28	7.88	6.04-9.24
1982.....	476	1,029	23	1,524	812	277	12.75	8.50	5.42-9.83
1983 ⁵	287	699	77	1,063	783	106	33.77	28.68	22.10-26.85
1984.....	215	955	107	1,277	737	141	18.36	13.30	10.68-16.11
1985.....	315	936	116	1,367	710	119	⁵ 15.35	⁵ 9.84	⁵ 5.70-8.05
1986.....	509	669	128	1,306	788	90	⁶ 12.75-21.00		⁶ 6.50-14.00
1987.....	360	868	109	1,337	918	110	13.50-22.00		8.00-15.00
1988.....	322	952	55	1,329	824	181	13.00-21.00		10.00-16.00
1989 ⁷	339								

¹ Uncompressed in carload lots, f.o.b. mill points. ² Running bales. ³ Imports are in 500 pound gross weight bales prior to 1982 and in 634 pound equivalent bales thereafter. ⁴ Exports are in running bales prior to 1982 and in 634 pound equivalent bales thereafter. ⁵ Ten-month average, Aug. 1985 thru May 1986. ⁶ Six months, Feb. thru July 1987, low to high range reported. ⁷ Preliminary.

Agricultural Marketing Service. Supply and distribution figures compiled from reports of the Bureau of the Census.

Table 103.—Cotton: Supply and distribution, by countries, 1988-89

Country	Begin- ning stocks Aug. 1 ¹	Produc- tion	Imports	Total supply	Consump- tion ¹	Exports	Ending stocks July 31 ¹	Total distribu- tion
	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²	1,000 bales ²
Exporting countries:								
Mexico.....	197	1,416	39	1,652	778	560	314	1,652
Nicaragua.....	54	119	0	173	15	110	48	173
El Salvador.....	68	46	23	137	70	8	59	137
Guatemala.....	51	190	5	246	74	115	57	246
Argentina.....	682	896	3	1,581	565	551	465	1,581
Brazil.....	2,630	3,376	464	6,470	3,766	464	2,240	6,470
Colombia.....	166	554	2	722	387	146	189	722
Paraguay.....	149	1,010	0	1,159	46	965	148	1,159
Peru.....	470	513	0	983	306	152	525	983
Honduras.....	18	13	0	31	10	4	17	31
Angola.....	7	20	0	27	15	5	7	27
Central African Republic.....	9	50	0	59	10	30	19	59
Cameroon.....	25	315	0	340	50	240	50	340
Malawi.....	28	50	0	78	25	25	28	78
Zimbabwe.....	153	538	0	691	155	352	184	691
Sudan.....	723	700	0	1,423	175	775	473	1,423
Uganda.....	35	100	0	135	30	50	45	135
Egypt.....	36	1,405	117	1,558	1,242	294	22	1,558
Tanzania.....	320	291	0	611	122	240	249	611
Mozambique.....	32	65	0	97	35	40	22	97
Other Africa.....	422	2,077	0	2,499	233	1,752	514	2,499
Afghanistan.....	124	207	0	331	130	80	121	331
Iran.....	41	551	0	592	542	0	50	592
Israel.....	161	285	67	513	86	226	201	513
Pakistan.....	1,665	6,547	5	8,217	4,206	3,780	231	8,217
Syria.....	265	525	0	730	260	265	205	730
Turkey.....	430	2,985	202	3,617	2,664	666	287	3,617
Other Asia.....	9	65	0	74	21	44	9	74
Australia.....	784	1,314	1	2,099	115	1,319	665	2,099
United States.....	5,771	15,411	5	21,187	7,947	6,148	7,092	21,187
Soviet Union.....	1,388	21,621	367	14,376	8,900	3,564	1,912	14,376
China.....	6,559	19,100	1,448	27,107	20,500	1,636	4,971	27,107
India.....	1,896	8,276	176	10,348	8,139	75	2,134	10,348
Total exporting countries.....	25,308	81,631	2,924	109,863	61,619	24,691	23,553	109,863
Importing countries:								
Canada.....	18	0	187	205	187	0	18	205
Chile.....	29	0	75	104	75	0	29	104
Other Western Hemisphere.....	358	222	380	960	560	18	382	960
Austria.....	12	0	101	113	106	5	2	113
Belgium.....	69	0	222	291	192	18	81	291
Finland.....	23	0	50	73	50	0	23	73
France.....	203	0	683	886	647	52	187	886
Germany, Fed. Rep. of.....	296	0	1,060	1,356	910	110	336	1,356
Greece.....	451	1,074	138	1,663	850	505	308	1,663
Italy.....	394	0	1,458	1,852	1,424	0	428	1,852
Netherlands.....	15	0	34	49	35	1	13	49
Portugal.....	203	0	827	1,030	827	0	203	1,030
Spain.....	527	508	395	1,430	620	269	541	1,430
Sweden.....	8	0	17	25	15	0	10	25
Switzerland.....	194	0	300	494	296	7	191	494
United Kingdom.....	143	0	197	340	193	13	134	340
Yugoslavia.....	117	1	471	589	515	0	74	589
Other Europe.....	648	55	3,240	3,943	3,202	13	728	3,943
Hong Kong.....	279	0	1,376	1,655	1,137	234	284	1,655
Japan.....	712	0	3,486	4,198	3,408	0	790	4,198
Korea, Rep. of.....	521	1	2,145	2,667	2,071	0	596	2,667
Philippines.....	89	22	274	385	296	0	89	385
Taiwan.....	759	0	1,781	2,540	1,837	0	703	2,540
Other Asia.....	622	425	3,700	4,747	3,846	54	847	4,747
Ethiopia.....	9	90	0	99	90	0	9	99
Nigeria.....	35	193	138	366	299	9	58	366
South Africa.....	227	357	45	629	344	23	262	629
Other Africa.....	97	203	514	814	658	50	106	814
Total importing countries.....	7,058	3,151	23,294	33,503	24,690	1,381	7,432	33,503
World total.....	32,366	84,782	26,218	143,366	86,309	26,072	30,985	143,366
Foreign (all countries) (world minus United States).....	26,595	69,371	26,213	122,179	78,362	19,924	23,893	122,179

¹ Includes cotton destroyed or unaccounted for. ² Bales of 480 pounds net (500 pounds gross).

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 104.—Sugarbeets: Area, yield, production, marketing year average price per ton received by farmers, value, and sugar production, United States, 1975–89¹

Year	Area		Yield per harvested acre	Production	Price ²	Value of production	Sugar production	
	Planted	Harvested					Raw value	Refined basis ³
	1,000 acres	1,000 acres	Tons	1,000 tons	Dollars	1,000 dollars	1,000 tons	1,000 tons
1975.....	1,595.0	1,516.6	19.6	29,704	27.60	820,743	4,019	3,756
1976.....	1,525.4	1,478.8	19.9	29,386	21.00	616,813	3,895	3,640
1977.....	1,272.6	1,216.2	20.6	25,007	24.20	604,399	3,108	2,905
1978.....	1,305.4	1,269.2	20.3	25,788	25.20	649,846	3,289	3,074
1979.....	1,160.7	1,119.7	19.6	21,996	33.90	745,273	2,879	2,691
1980.....	1,231.3	1,189.5	19.8	23,502	47.20	1,108,974	3,149	2,943
1981.....	1,251.6	1,228.1	22.4	27,538	29.20	803,569	3,388	3,166
1982.....	1,054.2	1,026.8	20.3	20,894	35.40	740,342	2,737	2,558
1983.....	1,081.4	1,055.8	19.9	20,992	37.00	777,718	2,699	2,522
1984.....	1,123.6	1,096.3	20.2	22,134	33.90	750,162	2,905	2,715
1985.....	1,124.5	1,102.5	20.4	22,529	33.80	761,286	3,093	2,835
1986.....	1,231.5	1,191.2	21.1	25,162	35.90	902,199	3,281	3,066
1987.....	1,266.7	1,252.4	22.4	28,072	38.20	1,073,584	3,998	3,736
1988.....	1,327.2	1,300.7	19.1	24,810	41.20	1,022,284	3,507	3,273
1989 ⁴	1,324.2	1,294.7	19.6	25,553	.....	.....	3,486	3,258

¹ Relates to year of intended harvest except for overwintered spring planted beets in California. ² Prices do not include Government payments under the Sugar Act. ³ Calculated on the basis that 1.07 tons of raw sugar is required to produce one ton of refined sugar. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 105.—Sugarbeets: Area, yield, and production, by States, 1987–89¹

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
CA.....	219.0	215.0	176.0	216.0	212.0	169.0	28.2	25.0	27.3	6,091	5,300	4,614
CO.....	37.4	39.1	40.6	37.0	38.6	40.0	21.7	22.8	22.8	803	880	912
ID.....	163.0	168.0	179.0	162.0	166.0	177.0	26.4	24.6	22.8	4,277	4,084	4,038
MI.....	144.0	152.0	154.0	142.0	145.0	150.0	20.5	16.5	17.1	2,911	2,393	2,565
MN.....	311.0	339.0	342.0	310.0	334.0	341.0	20.0	14.2	16.0	6,200	4,743	5,456
NE.....	49.2	49.6	52.7	48.9	48.9	51.9	22.2	21.1	19.9	1,086	1,032	1,033
NM.....	61.6	63.9	69.9	60.2	62.2	62.4	18.3	21.2	18.7	1,102	1,319	1,167
ND.....	6	7	(³)	2	7	(³)	10.0	12.9	(³)	2	9	(³)
OH.....	163.3	177.8	180.2	161.3	175.5	180.1	19.6	14.7	15.7	3,161	2,580	2,828
OR.....	16.8	17.3	13.6	16.2	14.7	11.9	16.6	15.9	16.7	269	234	199
TX.....	13.9	14.3	15.9	13.7	14.1	15.2	30.8	26.7	25.7	422	376	391
WY.....	32.8	34.0	36.6	31.5	33.0	35.3	19.7	21.9	21.0	621	723	743
Other ⁴	54.1	56.5	61.8	53.4	56.0	59.3	21.1	20.3	19.2	1,127	1,137	1,139
US.....	1,266.7	1,327.2	1,324.2	1,252.4	1,300.7	1,294.7	22.4	19.1	19.4	28,072	24,810	25,129

¹ Relates to year of intended harvest except for overwintered spring planted beets in California. ² Preliminary. ³ Combined to avoid disclosure of individual operations. ⁴ Includes NM and WA.

National Agricultural Statistics Service.

Table 106.—Sugarbeets: Production and value, by States, crop of 1988 ¹

State	Production	Marketing year average price per ton received by farmers	Value of production	State	Production	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
CA.....	5,300	36.70	194,510	ND.....	2,580	44.00	113,520
CO.....	880	42.10	37,048	OH.....	234	35.20	8,237
ID.....	4,084	43.30	176,837	OR.....	376	40.70	15,303
MI.....	2,393	36.00	86,148	TX.....	723	37.60	27,185
MN.....	4,743	43.90	208,218	WY.....	1,137	45.10	51,279
MT.....	1,032	45.20	46,646	US.....	24,810	41.20	1,022,284
NE.....	1,319	43.20	56,981				
NM.....	9	41.30	372				

¹ Relates to year of intended harvest except for overwintered spring planted beets in California.

National Agricultural Statistics Service.

Table 107.—Sugarbeet seed: Area, yield, production, average price per pound received by farmers, and value, United States, 1975-89

Year	Area harvested	Yield per acre	Production	Average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975.....	4,625	2,437	112,729	34.46	3,885
1976.....	6,748	2,630	177,494	38.55	6,842
1977.....	4,915	2,726	133,985	38.26	5,126
1978.....	3,153	2,266	71,443	37.12	2,652
1979.....	3,074	2,374	72,964	36.00	2,627
1980.....	3,329	2,439	81,218	38.00	3,086
1981.....	6,442	2,675	172,324	41.36	7,128
1982.....	5,923	2,989	177,061	44.34	7,851
1983.....	4,355	2,390	104,091	45.23	4,708
1984.....	4,204	2,426	101,973	46.60	4,752
1985.....	4,957	2,848	141,166	47.87	6,757
1986.....	4,442	2,997	133,133	49.26	6,558
1987.....	3,913	3,139	122,846	48.29	5,932
1988.....	3,941	2,506	98,759	48.73	4,813
1989.....	3,792	2,771	105,082	50.71	5,329

Science and Education Administration. Data on domestic production compiled from reports furnished by beet sugar companies and their subsidiaries, and by others engaged in sugarbeet seed production.

Table 108.—Sugarbeets: Area, yield, and production in specified countries, 1987/88–1989/90

Continent and country	Area harvested			Yield per hectare			Production ²		
	1987/88	1988/89	1989/90 ¹	1987/88	1988/89	1989/90 ¹	1987/88	1988/89	1989/90 ¹
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada	22	21	23	45.0	34.1	32.6	989	717	750
United States	507	526	528	50.2	42.8	43.9	25,466	22,507	23,182
Total	529	547	551	50.0	42.5	43.4	26,455	23,224	23,932
South America:									
Chile	57	49	54	53.4	59.2	56.1	3,046	2,903	3,030
Uruguay	6	6	6	30.8	42.7	25.0	185	256	150
Total	63	55	60	51.3	57.4	53.0	3,231	3,159	3,180
Europe:									
Belgium and Luxembourg	116	115	112	51.8	56.0	59.3	6,010	6,443	6,639
Denmark	67	68	67	39.3	49.7	49.3	2,632	3,379	3,302
France	450	430	431	53.6	59.1	57.4	24,115	25,429	24,718
Germany, Fed. Rep. of	384	386	392	49.6	48.2	53.0	19,049	18,590	20,767
Greece	28	38	40	59.0	58.7	55.8	1,652	2,230	2,230
Ireland	37	33	32	43.9	40.4	45.3	1,623	1,334	1,451
Italy	285	266	290	53.1	49.2	57.2	15,137	13,105	16,600
Netherlands	127	123	124	53.2	54.3	61.9	6,751	6,676	7,679
Portugal	1	1	1	21.0	19.0	27.0	21	19	27
Spain	165	175	156	46.7	51.9	47.8	7,700	9,084	7,460
United Kingdom	201	198	194	39.8	41.2	41.2	7,990	8,152	8,000
Total EC	1,861	1,833	1,839	49.8	51.5	53.8	92,680	94,441	98,873
Austria	39	38	47	54.6	50.9	56.2	2,128	1,934	2,641
Finland	30	30	31	15.4	33.5	34.1	461	1,005	1,057
Sweden	51	51	50	33.3	47.8	53.0	1,697	2,439	2,651
Switzerland	15	15	15	55.0	61.6	59.3	825	924	889
Other West Europe	135	134	143	37.9	47.0	50.6	5,111	6,302	7,238
Albania	10	10	10	26.5	26.5	26.5	265	265	265
Bulgaria	53	53	53	26.4	26.4	26.4	1,400	1,400	1,400
Czechoslovakia	208	208	208	36.1	36.1	36.1	7,500	7,500	7,500
German Dem. Rep	219	198	217	35.1	23.4	28.3	7,683	4,625	6,134
Hungary	105	105	115	38.1	40.0	38.3	4,000	4,200	4,400
Poland	422	412	423	33.1	34.1	34.0	13,989	14,069	14,400
Romania	266	245	219	26.9	25.3	26.9	7,149	6,200	5,900
Yugoslavia	164	127	142	38.0	35.9	46.9	6,238	4,558	6,665
Eastern Europe	1,447	1,358	1,387	33.3	31.5	33.6	48,224	42,817	46,664
Soviet Union	3,404	3,370	3,323	26.6	26.1	29.3	90,405	87,855	97,500
North Africa:									
Algeria	6	6	6	18.3	18.3	18.3	110	110	110
Tunisia	6	6	6	37.5	37.5	37.5	225	225	225
Morocco	61	61	62	44.9	49.0	46.5	2,736	2,990	2,885
Egypt	16	17	14	44.6	32.4	37.1	714	550	520
Total	89	90	88	42.5	43.1	42.5	3,785	3,875	3,740
Middle East:									
Iran	100	100	100	25.0	25.0	25.0	2,500	2,500	2,500
Lebanon	2	2	2	25.0	25.0	25.0	50	50	50
Syria	18	10	23	25.0	40.0	22.2	450	400	510
Turkey	378	315	338	32.8	36.6	32.3	12,400	11,530	10,930
Total	498	427	463	30.9	33.9	30.2	15,400	14,480	13,990
Asia:									
Afghanistan	3	3	3	11.7	11.7	11.7	35	35	35
China	498	745	533	16.3	17.2	17.6	8,140	12,810	9,360
Japan	71	72	72	53.9	48.5	50.8	3,827	3,489	3,660
Pakistan	12	11	12	38.0	31.1	29.2	456	342	350
Total	584	831	620	21.3	20.1	21.6	12,458	16,676	13,405
Grand total	8,175	8,230	8,058	33.5	32.5	35.2	273,834	267,600	284,004

¹ Preliminary. ² Quantity for processing.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 109.—Sugarcane for sugar and seed: Area, yield, production, value, and production of cane sugar and molasses, United States, 1975-89

Year ¹	Area harvested			Yield of cane per acre			Production		
	For sugar	For seed	Total	For sugar	For seed	For sugar and seed	For sugar	For seed	Total
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
1975.....	734.7	39.3	774.0	37.2	26.4	36.6	27,306	1,038	28,344
1976.....	704.0	43.0	747.0	38.2	27.9	37.6	26,919	1,201	28,120
1977.....	719.3	40.1	759.4	35.8	27.4	35.3	25,730	1,100	26,830
1978.....	699.8	43.9	743.7	35.5	26.8	35.0	24,821	1,176	25,997
1979.....	689.7	43.0	732.7	36.8	26.1	36.2	25,410	1,122	26,532
1980.....	683.6	49.1	732.7	37.4	28.1	36.8	25,582	1,381	26,963
1981.....	715.6	39.8	755.4	36.6	31.2	36.3	26,165	1,243	27,408
1982.....	700.4	41.3	741.7	40.6	32.0	40.1	28,449	1,321	29,770
1983.....	733.4	34.3	767.7	37.1	28.0	36.7	27,201	960	28,161
1984.....	700.7	46.6	747.3	37.1	28.6	36.6	26,008	1,332	27,340
1985.....	722.8	47.2	770.0	37.2	28.3	36.6	26,877	1,336	28,213
1986.....	750.7	45.5	796.2	38.5	30.2	38.1	28,936	1,375	30,311
1987.....	778.3	45.3	823.6	36.0	26.3	35.5	28,026	1,192	29,218
1988.....	793.6	51.7	845.3	35.9	27.6	35.4	28,479	1,425	29,904
1989 ²	803.3	48.6	851.9	34.9	27.9	34.5	28,069	1,357	29,426

Year ¹	Marketing year average price received by farmers per ton of sugar ³	Value of production		Sugar production			Molasses ⁷
		Of cane used for sugar	Of cane used for sugar and seed ⁴	Raw value ⁵		Refined basis ⁶	
				Total	Per ton of cane		
	Dollars	1,000 dollars	1,000 dollars	1,000 tons	Pounds	1,000 tons	1,000 gallons
1975.....	21.50	586,622	607,895	2,934	214	2,743	178,988
1976.....	15.20	408,403	425,342	2,724	202	2,545	180,730
1977.....	17.70	454,217	474,257	2,684	209	2,508	164,894
1978.....	19.50	483,905	506,851	2,612	210	2,441	161,810
1979.....	26.00	661,212	690,544	2,700	213	2,524	164,581
1980.....	38.50	984,559	1,035,990	2,728	213	2,550	163,341
1981.....	24.90	650,721	681,983	2,833	217	2,647	182,656
1982.....	26.50	755,038	789,896	3,063	215	2,863	177,041
1983.....	27.80	755,574	781,393	2,930	215	2,739	175,875
1984.....	28.20	734,026	769,934	3,007	231	2,811	173,503
1985.....	26.70	717,690	751,550	3,033	226	2,835	178,539
1986.....	27.30	788,678	824,724	3,281	227	3,066	185,970
1987.....	29.10	816,801	851,664	3,333	238	3,115	185,496
1988.....	29.40	836,810	877,815	3,398	239	3,176	191,208
1989 ²				3,176	226	2,967	192,741

¹ In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.

² Preliminary. ³ Prices do not include Government payments under the Sugar Act. ⁴ Price per ton of cane for sugar used in evaluating value of production for seed. ⁵ Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948. ⁶ Calculated on the basis that 100 pounds of raw sugar is required to produce 93.46 pounds of refined sugar. ⁷ Excludes edible.

National Agricultural Statistics Service.

Table 110.—Sugarcane for sugar and seed: Area, yield, production, and production of cane sugar and molasses, by States, 1987-89

State	Sugarcane for sugar and seed ¹								
	Area harvested			Yield of cane per acre			Cane production		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
For sugar:									
FL.....	402.0	404.0	405.0	32.3	31.6	31.4	12,990	12,766	12,717
HI.....	79.5	78.9	74.7	100.8	96.4	94.8	8,014	7,606	7,082
LA.....	263.0	279.0	290.0	22.7	25.3	25.7	5,970	7,050	7,440
TX.....	33.8	31.7	33.6	31.1	33.3	24.7	1,052	1,057	830
US.....	778.3	798.6	803.3	36.0	35.9	34.9	28,026	28,479	28,069
For seed:									
FL.....	15.0	17.0	15.0	31.9	31.6	31.4	479	538	471
HI.....	7.0	7.2	6.7	25.8	27.5	29.1	181	198	195
LA.....	22.0	26.0	25.0	22.7	25.3	25.7	499	658	643
TX.....	1.3	1.5	1.9	25.4	20.7	25.3	33	31	48
US.....	45.3	51.7	48.6	26.3	27.6	27.9	1,192	1,425	1,357
For sugar and seed:									
FL.....	417.0	421.0	420.0	32.3	31.6	31.4	13,469	13,304	13,188
HI.....	86.5	86.1	81.4	94.7	90.6	89.4	8,195	7,804	7,277
LA.....	285.0	305.0	315.0	22.7	25.3	25.7	6,469	7,708	8,083
TX.....	35.1	33.2	35.5	30.9	32.8	24.7	1,085	1,088	878
US.....	823.6	845.3	851.9	35.5	35.4	34.5	29,218	29,904	29,426

State	Products of cane harvested for sugar											
	Sugar per ton of cane (raw value ²)			Sugar produced (raw value ³)			Equivalent refined ⁴			Molasses ⁵		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	Lb.	Lb.	Lb.	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 gallons	1,000 gallons	1,000 gallons
FL.....	234	245	220	1,517	1,566	1,399	1,418	1,464	1,307	90,145	92,246	100,042
HI.....	244	244	244	979	928	864	915	867	807	49,000	47,420	40,940
LA.....	245	226	227	731	797	844	683	745	789	37,450	41,550	39,960
TX.....	202	202	166	106	107	69	99	100	64	8,901	9,992	11,799
US.....	238	239	226	3,333	3,398	3,176	3,115	3,176	2,967	185,496	191,208	192,741

¹ In Hawaii, harvest continues throughout the year and production statistics are on a calendar year basis. In other states, harvest is seasonal and the production statistics year relates to the year in which the season begins.

² Preliminary.

³ Raw value is the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948.

⁴ Calculated on the basis that 100 pounds of raw sugar is required to produce 98.46 pounds of refined sugar.

⁵ Blackstrap (80° Brix) high-test molasses from frozen cane and edible molasses.

⁶ 85° brix.

National Agricultural Statistics Service.

Table 111.—Sugarcane for sugar and seed: Production and value, by States, crop of 1988

State	Sugar			Sugar and seed: Value of production ¹
	Production		Price per ton	
	1,000 tons	Dollars	1,000 dollars	1,000 dollars
FL.....	13,304	32.60	416,172	433,710
HI.....	7,804	27.60	209,926	215,390
LA.....	7,708	26.20	184,710	201,950
TX.....	1,088	24.60	26,002	26,765
Total.....	29,904	29.40	836,810	877,815

¹ Price per ton of cane for sugar used in evaluating value of production for seed.

National Agricultural Statistics Service.

Table 112.—Sugar cane: Area, yield, and production in specified countries, 1987/88-1989/90

Continent and country	Area			Yield per hectare			Production ²		
	1987/ 88	1988/ 89	1989/ 90 ¹	1987/ 88	1988/ 89	1989/ 90 ¹	1987/ 88	1988/ 89	1989/ 90 ¹
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Mexico.....	561	542	510	66.4	66.2	60.8	37,244	35,900	31,000
Hawaii.....	32	32	30	227.2	215.6	211.7	7,270	6,900	6,350
United States.....	283	289	298	64.2	65.5	64.5	18,155	18,936	19,227
Total	876	863	838	71.5	71.5	67.5	62,669	61,736	56,577
South America:									
Argentina.....	185	277	229	58.4	44.2	46.3	10,800	12,245	10,605
Brazil.....	1,500	1,400	1,210	58.7	62.9	60.3	88,000	88,000	73,000
Colombia.....	102	108	110	119.1	122.0	126.7	12,150	13,176	13,940
Ecuador.....	43	43	42	72.0	67.4	69.0	3,095	2,900	2,900
Peru.....	52	47	45	125.0	134.7	133.3	6,500	6,333	6,000
Venezuela.....	116	112	100	70.0	70.1	70.0	8,121	7,850	7,000
Other South America.....	161	157	164	52.8	58.5	54.0	8,500	9,186	8,850
Total	1,998	1,987	1,736	64.4	65.7	65.3	128,666	130,504	113,445
Central America:									
Belize.....	24	21	24	36.0	42.0	37.6	863	881	903
Costa Rica.....	31	30	29	80.0	73.3	82.8	2,479	2,200	2,400
El Salvador.....	37	30	33	62.0	66.9	78.5	2,295	2,008	2,591
Guatemala.....	97	98	100	72.3	70.5	70.8	7,014	6,910	7,076
Honduras.....	24	25	26	81.3	81.8	78.8	1,950	2,045	2,049
Nicaragua.....	40	35	40	70.0	71.4	70.0	2,800	2,500	2,800
Panama.....	20	22	22	57.6	53.0	53.0	1,152	1,166	1,166
Total	273	261	274	68.0	67.9	69.3	18,553	17,710	18,985
Caribbean:									
Barbados.....	12	11	11	58.3	50.9	50.0	699	560	550
Cuba.....	1,300	1,350	1,350	50.0	54.9	50.0	65,000	74,100	67,500
Dominican Republic.....	206	215	219	40.1	32.2	33.1	8,257	6,933	7,240
Haiti.....	50	50	50	10.5	10.5	10.5	525	525	525
Jamaica.....	37	38	39	69.3	61.2	65.3	2,564	2,326	2,548
Puerto Rico.....	23	21	21	54.8	56.0	42.9	1,260	1,175	900
Other Caribbean.....	44	40	31	53.4	56.9	69.5	2,350	2,274	2,155
Total	1,672	1,725	1,721	48.2	51.0	47.3	80,655	87,893	81,418
West Europe:									
Spain.....	2	2	2	75.0	75.0	75.0	150	150	150
Africa:									
Cote d'Ivoire.....	35	40	38	74.3	75.0	92.1	2,600	3,000	3,500
Egypt.....	76	92	93	96.2	90.2	94.6	7,308	8,300	8,800
Ethiopia.....	25	25	25	92.0	92.0	92.0	2,300	2,300	2,300
Kenya.....	50	42	42	79.6	99.6	100.0	3,978	4,183	4,200
Madagascar.....	17	17	17	64.7	64.7	64.7	1,100	1,100	1,100
Malawi.....	17	17	17	88.2	88.2	88.2	1,500	1,500	1,500
Mauritius.....	80	80	80	75.0	75.0	75.0	6,000	6,000	6,000
Morocco.....	13	15	16	64.1	73.0	61.6	833	1,095	986
Reunion.....	37	37	37	63.4	59.5	63.4	2,344	2,200	2,344
South Africa.....	295	280	272	71.4	70.9	68.8	21,066	19,859	18,717
Sudan.....	40	40	40	112.5	112.5	112.5	4,500	4,500	4,500
Swaziland.....	36	36	37	157.1	149.2	159.0	5,656	5,372	5,882
Tanzania.....	24	23	24	62.5	65.2	62.5	1,500	1,500	1,500
Zambia.....	10	10	10	150.0	150.0	150.0	3,651	3,544	3,871
Zimbabwe.....	33	32	34	110.6	110.8	113.9	3,651	3,544	3,871
Other Africa.....	164	164	181	47.5	48.4	46.2	7,790	7,945	8,355
Total	952	950	963	77.3	77.8	77.9	73,626	73,898	75,055
Asia:									
Bangladesh.....	42	30	38	50.0	45.0	48.7	2,100	1,350	1,850
China.....	859	924	973	55.1	53.1	51.4	47,363	49,060	50,000
India.....	1,700	1,650	1,880	58.8	60.3	61.2	100,000	95,500	115,000
Indonesia.....	334	322	340	63.7	76.8	78.5	21,270	24,742	26,700
Iran.....	20	20	20	90.0	90.0	90.0	1,800	1,800	1,800
Japan.....	35	34	34	67.8	66.4	76.3	2,372	2,258	2,594
Malaysia.....	18	19	20	49.8	50.9	52.5	896	968	1,050
Pakistan.....	518	515	496	39.2	42.2	42.1	20,300	21,708	20,900
Philippines.....	270	295	315	58.1	64.4	62.2	15,700	19,000	19,600
Taiwan.....	67	63	61	95.7	99.6	98.4	6,413	6,276	6,000
Thailand.....	571	659	660	47.6	55.6	53.0	27,189	36,667	35,000
Other Asia.....	143	154	154	46.0	44.5	44.8	6,575	6,850	6,900
Total	4,574	4,681	4,987	55.0	57.7	57.6	51,753	269,929	287,094
Oceania:									
Australia.....	314	314	327	89.2	89.4	89.2	28,013	28,073	29,170
Fiji.....	60	60	60	68.5	53.1	76.8	4,109	3,185	4,606
Total	74	374	387	85.9	83.6	87.3	32,122	31,258	33,776
Grand total	10,885	11,004	11,076	60.4	62.0	61.0	656,919	682,514	675,650

¹ Preliminary. ² Quantity for processing.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 113.—Sugar: Production in specified countries, 1987/88–1989/90 ¹

Continent and country	1987/88	1988/89	1989/ 90 ²	Continent and country	1987/88	1988/89	1989/ 90 ²
CENTRIFUGAL SUGAR (raw value) ³	1,000 metric tons	1,000 metric tons	1,000 metric tons	CENTRIFUGAL SUGAR (raw value) ³	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central Amer- ica and Caribbean:				Albania	40	40	40
Canada	129	104	110	Bulgaria	140	100	120
Costa Rica	219	224	230	Czechoslovakia	800	700	800
Cuba	7,400	8,100	7,500	German Democratic Republic	768	575	748
Dominican Republic	777	735	750	Hungary	450	475	500
El Salvador	189	174	205	Poland	1,823	1,825	1,865
Guatemala	690	715	735	Romania	450	425	520
Honduras	173	184	200	Yugoslavia	946	660	930
Jamaica & Dep.	221	192	235	Total Eastern Europe ..	5,417	4,800	5,513
Mexico	3,806	3,678	3,000	Total Europe	20,424	20,587	21,990
Nicaragua	225	200	215	Soviet Union	9,560	8,900	9,560
Panama	108	109	119	Africa:			
Trinidad and Tobago ..	91	97	103	Ivory Coast	140	154	160
United States	6,483	6,089	6,082	Egypt	907	945	960
Other North and Central America and Caribbean ..	415	409	364	Ethiopia	190	195	200
Total	20,326	21,010	19,848	Kenya	413	411	441
South America:				Madagascar	114	120	125
Argentina	1,177	1,284	945	Malawi	181	185	175
Bolivia	174	163	155	Mauritius	733	672	602
Brazil	8,457	8,582	7,500	Morocco	443	527	502
Chile	416	446	448	Reunion	236	262	179
Colombia	1,344	1,435	1,570	South Africa, Republic of	2,235	2,300	2,275
Ecuador	316	315	330	Sudan	408	360	400
Guyana	168	170	180	Swaziland	461	462	500
Paraguay	100	105	120	Tanzania, United Re- public of	108	101	108
Peru	592	626	580	Zambia	130	150	140
Surinam	10	10	10	Zimbabwe	453	459	510
Uruguay	65	85	75	Other Africa ⁴	548	546	577
Venezuela	537	513	485	Total Africa	7,700	7,849	7,854
Total	13,356	13,734	12,398	Asia:			
European Community:				Bangladesh	190	117	170
Belgium-Luxembourg ..	1,005	1,005	1,038	China (Mainland)	4,706	5,312	5,350
Denmark	422	550	529	India	10,000	10,150	11,200
France	3,966	4,372	4,198	Indonesia	2,127	1,889	2,080
Germany, Federal Re- public of	2,968	3,003	3,340	Iran	450	450	450
Greece	194	216	421	Japan	929	984	975
Ireland	242	212	230	Pakistan	88	100	110
Italy	1,869	1,609	1,880	Malaysia	1,907	1,980	2,015
Netherlands	1,065	1,074	1,240	Philippines	1,400	1,600	1,700
Portugal	2	2	2	Taiwan	627	664	600
Spain	1,092	1,290	1,050	Thailand	2,704	4,055	3,600
United Kingdom	1,335	1,417	1,370	Turkey	1,780	1,410	1,400
Total EC	14,160	14,750	15,298	Other Asia ⁵	544	588	649
Austria	390	358	460	Total Asia	27,452	29,299	30,299
Finland	70	154	168	Oceania:			
Sweden	264	375	401	Australia	3,528	3,680	3,790
Switzerland	123	150	150	Fiji	401	363	461
Total Western Europe	15,007	15,787	16,477	Total Oceania	3,929	4,043	4,251
				World total	103,347	105,422	106,200

¹ Crop years are on a September/August basis, but include the outturn of sugar from harvests of several Southern Hemisphere countries which begin prior to September. ² Preliminary. ³ Centrifugal sugar, as distinguished from non-centrifugal, includes cane and beet sugar produced by the centrifugal process, which is the principal kind moving in international trade. ⁴ "Other Africa" includes Algeria, Cameroon, Chad, Congo, Gabon, Ghana, Guinea, Ivory Coast, Mali, Malawi, Nigeria, Senegal, Somalia, Sudan, Tunisia, and Zambia. ⁵ "Other Asia" includes Afghanistan, Bangladesh, Iraq, Israel, Lebanon, Malaysia, Nepal, Sri Lanka, Syria, and Vietnam.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 114.—Sugar, cane and beet (raw value): Imports and domestic marketings, by source of supply, continental United States, 1987–89 ¹

Country or area of supply	1987	1988	1989 ²	Country or area of supply	1987	1988	1989 ²
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>		<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
Argentina.....	38	39	118	Philippines.....	166	142	219
Australia.....	50	81	123	South Africa.....			
Belize.....	23	23	25	Taiwan.....	11	12	14
Brazil.....	132	117	92	Other countries.....	209	195	268
Colombia.....	77	87	337	Total foreign countries.....	1,529	1,368	1,837
Costa Rica.....	31	37	15				
Dominican Republic.....	338	226	303	Domestic areas:			
Ecuador.....	10	11	13	Mainland (beet).....	3,656	3,832	3,449
El Salvador.....	26	42	33	Mainland (cane).....	2,261	2,484	2,588
Fiji Islands.....	25	9	10	Hawaii.....	1,060	902	788
Guatemala.....	67	94	62	Puerto Rico.....	12	19	12
Haiti.....	7	8	8	Total domestic areas..	6,989	7,237	6,837
Mexico.....	236	184	148				
Nicaragua.....				Grand total.....	8,518	8,605	8,674
Panama.....	53	13					
Peru.....	30	48	49				

¹ Raw value is the equivalent in terms of 96° sugar. ² Preliminary.

National Agricultural Statistics Service.

Table 115.—Sugar, cane and beet (refined): Stocks, production or receipts, and deliveries, continental United States, 1975-90 ¹

Item and year	Cane sugar refineries ²	Beet sugar factories	Importers of direct consumption sugar ³	Mainland cane sugar mills ⁴	Total
JAN. 1 STOCKS ⁵	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975.....	276	1,314	1	.....	1,591
1976.....	233	1,490	0	.....	1,723
1977.....	261	1,661	0	.....	1,922
1978.....	312	1,580	85	.....	1,977
1979.....	267	1,458	0	.....	1,725
1980.....	240	1,126	0	.....	1,366
1981.....	254	1,202	0	.....	1,496
1982.....	255	1,193	0	.....	1,448
1983.....	245	1,324	0	.....	1,569
1984.....	210	1,031	0	.....	1,241
1985.....	214	1,430	0	.....	1,644
1986.....	197	1,189	0	.....	1,386
1987.....	211	1,304	0	.....	1,515
1988.....	184	1,546	0	.....	1,730
1989.....	187	1,372	0	.....	1,559
1990.....	155	1,412	0	.....	1,567
PRODUCTION OR RECEIPTS					
1975.....	6,183	3,246	82	.....	9,511
1976.....	6,561	3,741	76	.....	10,378
1977.....	7,078	3,199	258	.....	10,535
1978.....	6,942	2,867	95	.....	9,904
1979.....	6,958	2,650	84	.....	9,692
1980.....	7,162	2,852	7	.....	10,021
1981.....	7,144	2,974	17	.....	10,135
1982.....	5,726	2,953	46	.....	8,725
1983.....	5,679	2,419	49	.....	8,147
1984.....	6,042	3,058	39	.....	9,139
1985.....	5,268	2,896	38	.....	8,202
1986.....	5,128	3,219	28	.....	8,375
1987.....	4,960	3,912	18	.....	8,890
1988.....	4,701	3,717	20	.....	8,438
1989.....	5,311	3,500	45	.....	8,856
DELIVERIES ⁶					
1975.....	6,237	3,068	83	65	9,453
1976.....	6,534	3,572	76	15	10,197
1977.....	7,026	3,280	172	17	10,495
1978.....	6,987	2,989	180	18	10,174
1979.....	6,985	2,982	84	18	10,069
1980.....	7,100	2,973	7	45	10,125
1981.....	7,183	2,983	17	24	10,207
1982.....	5,736	2,840	46	24	8,646
1983.....	5,714	2,712	49	4	8,479
1984.....	5,630	2,732	39	13	8,414
1985.....	4,853	2,979	38	4	7,874
1986.....	4,594	3,077	28	3	7,702
1987.....	4,454	3,656	18	4	8,131
1988.....	4,290	3,832	20	5	8,147
1989.....	4,764	3,449	45	6	8,264

¹ All sugars converted to refined basis. ² Includes Hawaiian sugar for direct consumption. ³ Includes Puerto Rican sugar for direct consumption. ⁴ Sugar for direct consumption only. Mainland cane sugar mills stocks and production not separately reported. ⁵ Stocks include sugar in bond and in customs custody and control. ⁶ Includes deliveries for export, for livestock feed, and for use in alcohol. ⁷ Includes beet sugar, forfeited to and marketed by CCC.

National Agricultural Statistics Service.

Table 116.—Sugar, cane (raw ¹): Refiners' raw stocks, receipts, meltings, and direct consumption deliveries, continental United States, 1975-89

Year	Jan. 1 stocks	Receipts ²	Meltings	Deliveries for direct consumption
	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975	886	6,206	6,639	11
1976	428	7,430	7,071	13
1977	776	8,315	7,564	12
1978	1,678	6,789	7,578	13
1979	964	7,057	7,539	14
1980	541	7,892	7,735	4
1981	691	7,855	7,693	
1982	844	5,856	6,183	
1983	517	6,287	6,241	
1984	528	6,045	6,100	
1985	473	5,445	5,390	
1986	523	5,143	5,155	
1987	516	4,862	4,977	
1988	401	4,774	4,689	
1989 ³	487	5,226	5,350	

¹ Expressed in raw value, the equivalent in terms of 96° sugar, as defined in the Sugar Act of 1948. ² Receipts include refiners' total offshore raw sugar receipts in continental U.S. ports, whether entered through the customs or held pending availability of quota, and raw cane sugar produced from sugarcane in the continental United States.

³ Preliminary.

National Agricultural Statistics Service.

Table 117.—Sugar, cane and beet (raw value): Production, stocks, trade, and supply available for consumption in continental United States, 1975-89

Year	Production	Visible stocks beginning of period	Receipts from—		Commercial exports and shipments ¹	Domestic disappearance		
			Foreign sources	Puerto Rico		Livestock feed and alcohol ²	Military and civilian use ³	Per capita consumption (refined) ³
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	Pounds
1975	6,300	2,854	3,882	96	216	6	10,302	89.2
1976	6,798	2,856	4,658	203	76	0	10,893	93.4
1977	6,089	3,498	6,138	102	35	0	11,099	94.2
1978	5,602	4,491	4,683	52	48	4	10,889	91.4
1979	5,793	3,754	5,027	47	73	0	10,756	89.3
1980	5,737	3,701	4,495	178	689	0	10,181	83.6
1981	6,224	3,082	5,025	48	1,191	0	9,770	79.4
1982	5,934	3,461	2,964	80	137	0	9,153	73.6
1983	5,680	3,068	3,080	67	300	0	8,812	70.1
1984	5,890	2,570	3,444	24	447	8	8,428	66.5
1985	5,967	3,005	2,797	36	487	15	7,997	62.5
1986	6,267	3,126	2,223	31	602	30	7,711	59.7
1987	7,309	3,225	1,546	12	667	27	8,040	61.6
1988	7,087	3,195	1,388	19	515	9	8,079	61.3
1989 ⁴	6,840	3,132	1,882	12	684	6	8,203	61.6

¹ Includes sugar shipped to Puerto Rico and sugar used in manufacture of exported commodities. ² Includes use for polyhydric alcohol, beginning 1966. ³ Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers. ⁴ Preliminary.

Economic Research Service.

Table 118.—Sugar, centrifugal (raw value): International trade, 1986-88

Continent and country	1986		1987		1988 ¹	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America:						
Belize	99	4	88	6	76	0
Canada	67	1,145	101	1,119	76	928
Costa Rica	99	0	88	0	76	0
El Salvador	112	0	69	0	40	0
Guatemala	290	0	317	0	332	0
Honduras	119	0	95	8	40	5
Mexico	192	0	505	0	967	0
Nicaragua	117	0	110	0	83	0
Panama	61	0	39	0	30	0
United States	539	2,047	591	1,503	354	1,140
Caribbean:						
Barbados	98	0	67	0	75	0
Cuba	7,000	0	6,630	0	6,500	0
Dominican Republic	474	0	573	0	519	0
Haiti	11	31	7	41	8	35
Jamaica	144	55	136	52	150	43
St. Christopher-Nevis	29	0	30	0	32	0
Trinidad and Tobago	48	31	57	30	55	30
Other Caribbean	50	79	41	70	86	76
Total North and Central America	2,549	200	2,914	207	2,999	1,117
South America:						
Argentina	170	0	80	0	72	0
Brazil	2,560	0	2,086	0	2,131	0
Chile	0	5	0	15	0	29
Colombia	226	0	93	0	243	0
Ecuador	17	38	9	24	17	45
Guyana	31	0	41	19	33	4
Peru	55	256	33	341	39	222
Venezuela	0	124	0	0	0	205
Other South America	235	30	200	35	171	61
Total South America	3,294	453	2,542	434	2,697	566
Europe:						
Total European Economic Community	5,550	2,835	5,407	2,436	5,451	2,795
Austria	88	0	36	0	58	0
Cyprus	0	20	0	20	0	20
Finland	7	73	14	97	13	115
Iceland	0	12	0	12	0	12
Malta	0	13	0	15	0	16
Norway	0	166	0	169	0	170
Sweden	21	44	38	46	44	92
Switzerland	32	175	1	161	0	136
Turkey	50	0	54	201	65	35
Other Western Europe	0	1	0	1	0	1
Total Western Europe	5,748	3,339	5,550	3,158	5,631	3,392
Albania	0	22	0	25	0	28
Bulgaria	100	438	100	401	75	400
Czechoslovakia	367	156	240	110	200	140
German Dem. Rep	355	303	488	274	449	193
Hungary	44	0	0	0	0	18
Poland	142	0	282	161	86	61
Romania	133	63	9	56	0	303
Yugoslavia	68	13	25	0	60	13
Total Eastern Europe	1,209	995	1,144	1,027	870	1,156
Total Europe	6,957	4,334	6,694	4,185	6,501	4,548

See footnotes at end of table.

Table 118.—Sugar, centrifugal (raw value): International trade, 1986-88—Continued

Continent and country	1986		1987		1988 ¹	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Soviet Union	327	5,183	173	5,057	175	4,515
Africa:						
Algeria	0	680	0	700	0	650
Angola	0	59	0	52	0	52
Egypt	0	750	0	606	0	635
Ethiopia	26	0	20	0	35	0
Ghana	0	55	0	66	0	70
Ivory Coast	20	15	20	5	27	14
Kenya	0	63	0	143	0	39
Libya	0	155	0	160	0	165
Madagascar	22	10	18	0	16	0
Malawi	99	0	119	0	97	0
Mauritius	622	0	691	0	687	0
Morocco	0	238	0	297	0	295
Mozambique	22	42	11	60	11	40
Nigeria	50	600	10	578	10	505
Senegal	0	55	0	70	0	55
Sierra Leone	0	20	0	20	0	20
South Africa	1,128	29	875	0	925	0
Sudan	0	0	0	100	0	110
Swaziland	366	0	506	0	394	0
Tanzania	10	20	10	20	10	10
Tunisia	0	240	0	240	0	240
Zaire	0	70	0	40	0	40
Other Africa	1,702	616	631	505	2,212	
Total Africa	2,939	3,717	2,911	3,662	2,703	3,549
Asia:						
Afghanistan	0	80	0	80	0	80
Bangladesh	0	160	0	122	0	121
China	271	1,216	459	1,507	309	3,700
Taiwan	177	0	25	0	14	5
Hong Kong	17	160	25	165	15	170
India	57	1,775	25	1,020	30	80
Indonesia	0	0	0	179	0	148
Iran	0	900	0	750	0	800
Iraq	0	615	0	635	0	653
Israel	0	255	0	260	0	230
Japan	4	1,857	6	1,695	2	1,848
Jordan	0	112	0	112	0	128
Korea, Rep. of	296	970	289	1,101	320	1,105
Kuwait	0	70	0	75	0	75
Lebanon	0	80	0	80	0	80
Malaysia	138	663	188	661	121	741
Philippines	296	0	197	0	134	105
Saudi Arabia	0	375	0	400	0	410
Singapore	6	167	9	180	7	190
Sri Lanka	0	375	0	275	0	320
Syria	0	355	0	385	0	390
Thailand	2,060	0	1,960	0	1,892	0
Vietnam	6	75	0	75	0	75
Yemen (Aden)	0	50	0	50	0	50
Yemen (Sanaa)	0	175	0	20	0	210
Other Asia	2,110	5,591	2,014	6,775	1,005	7,407
Total Asia	3,378	11,228	3,237	11,279	2,909	12,468
Oceania:						
Australia	2,858	0	2,658	0	2,797	0
Fiji	321	12	440	0	358	0
New Zealand	0	166	0	165	0	165
Other Oceania	0	46	10	36	7	33
Total Oceania	3,179	224	3,108	201	3,162	198
World total ²	22,623	25,339	21,579	25,025	21,146	26,961

¹ Preliminary. ² World total may include countries not specified separately. n.a. not available.

Foreign Agricultural Service. Data from Foreign Agricultural Service.

Table 119.—Sugar (raw and refined): Average price per pound at specified markets, 1975-89

Year	Wholesale price			Retail price, granulated: United States ⁴	Year	Wholesale price			Retail price, granulated: United States ⁴
	Cane sugar		Refined beet: mid-west ³			Cane sugar		Refined beet: mid-west ³	
	Raw, 96° centrifugal					Raw, 96° centrifugal			
	Caribbean ports, f.o.b. and stowed ¹	New York, c.i.f. duty paid ²				Caribbean ports, f.o.b. and stowed ¹	New York, c.i.f. duty paid ²		
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>		<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1975	20.49	22.5	27.9	37.2	1983	8.49	22.0	26.1	36.2
1976	11.58	13.3	16.9	24.0	1984	5.18	21.7	25.7	36.3
1977	8.11	11.0	15.1	21.6	1985	4.04	20.3	23.2	35.3
1978	7.82	13.9	18.9	23.7	1986	6.05	21.0	23.4	35.1
1979	9.66	15.6	19.7	24.9	1987	6.71	21.8	23.6	35.3
1980	29.02	30.1	38.3	42.7	1988	10.17	22.1	25.5	36.6
1981	16.93	19.7	28.3	40.0	1989	12.79	22.8	29.4	40.0
1982	8.42	19.9	27.6	34.3					

¹ For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot for sugar to a Caribbean basis in U.S. dollars. ² For 4th quarter 1977 through 3rd quarter 1979, derived by converting the London spot to a Caribbean basis in U.S. dollars, and adding freight, insurance, and applicable U.S. duties and fees. For June-Dec. 1985, prices for No. 12 nearby futures. Starting Jan. 1986 prices are for No. 14 nearby futures. ³ F.o.b.-basis list prices in 100 pound bags, not delivered prices—beginning calendar 1982 in bulk. To obtain delivered prices, add "freight pre-pays" and deduct discounts and allowances. ⁴ Calendar 1978 and 1979 only, derived by using the Bureau of Labor Statistics consumer price index (all-urban, unadjusted) for Sugar and Artificial Sweeteners. n.a. not available.

Economic Research Service. Compiled from the following sources: (New York) Coffee, Sugar & Cocoa Exchange; John Crowe and Company; and U.S. Department of Labor, Bureau of Labor Statistics.

Table 120.—Sugar, centrifugal (raw value): United States imports, by country of origin, 1987-89 ¹

Country of origin	1987	1988	1989	Country of origin	1987	1988	1989
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North and South America, including Caribbean area:				Africa:			
Argentina	36	24	117	Malawi	0	9	10
Barbados	22	8	7	Mauritius	10	11	20
Brazil	124	136	58	Mozambique	20	12	14
Colombia	55	80	326	South Africa	0	0	0
Costa Rica	30	21	17	Swaziland	0	15	45
Dominican Republic	298	205	295	Zimbabwe	10	11	22
Ecuador	10	7	15	Other Africa	28	29	24
El Salvador	25	40	20	Total	68	87	135
Guatemala	88	74	61	Asia and Oceania:			
Guyana	10	8	5	Australia	70	75	106
Nicaragua	0	0	0	Philippines	137	140	214
Panama	31	5	0	Thailand	12	9	15
Peru	28	45	34	Other Pacific Is. NEC	23	9	10
Other America	310	289	221	Other Asia and Oceania	25	26	28
Total	1,067	942	1,176	Total	267	259	373
				Europe	9	6	0
				World total ³	1,411	1,294	1,684

¹ Includes raw sugar imports and refined sugar imports converted to raw basis. ² Less than 500 tons. ³ World total may include countries not specified separately.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 121.—Sugar, centrifugal (raw value): Beginning stocks in marketing years 1987/88-1990/91

Country	1987/ 88	1988/ 89	1989/ 90	1990/ 91	Country	1987/ 88	1988/ 89	1989/ 90	1990/ 91
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:					Eastern Europe:				
Canada.....	220	150	100	90	Albania.....	21	21	21	20
Mexico.....	1,485	577	605	650	Bulgaria.....	106	116	70	74
United States.....	1,350	1,194	1,110	1,322	Czechoslovakia.....	169	189	179	179
Total	3,063	1,921	1,815	2,062	German Dem. Rep.....	148	0	125	123
Caribbean:					Hungary.....	82	50	80	80
Barbados.....	11	1	1	1	Poland.....	192	45	99	50
Cuba.....	360	490	520	440	Romania.....	30	93	10	50
Dominican Republic..	228	220	181	151	Yugoslavia.....	262	231	187	187
Haiti.....	13	8	8	8	Total	1,010	745	771	763
Jamaica.....	15	19	24	17	USSR	2,700	2,500	2,505	2,715
Trinidad/Tobago.....	6	4	3	3	North Africa:				
Other.....	77	76	90	72	Algeria.....	217	218	159	140
Total	710	818	827	692	Egypt.....	50	50	50	50
Central America:					Libya.....	30	25	25	30
Belize.....	13	13	13	12	Morocco.....	112	109	136	129
Costa Rica.....	63	52	64	62	Sudan.....	141	109	73	73
El Salvador.....	39	28	20	8	Tunisia.....	120	125	125	130
Guatemala.....	147	62	38	22	Total	670	636	568	552
Honduras.....	19	14	15	16	Africa:				
Nicaragua.....	58	50	10	9	Cote d'Ivoire.....	41	43	57	72
Panama.....	27	32	23	7	Kenya.....	112	132	103	94
Total	366	251	183	136	Malawi.....	54	22	10	10
South America:					Mauritius.....	114	120	110	100
Argentina.....	217	145	253	226	Nigeria.....	60	80	90	70
Bolivia.....	109	96	82	54	Reunion.....	0	0	0	0
Brazil.....	845	771	1,382	682	South Africa.....	366	226	216	238
Chile.....	72	71	103	101	Swaziland.....	3	38	29	46
Colombia.....	128	28	12	75	Tanzania.....	2	2	2	2
Ecuador.....	10	22	19	8	Zaire.....	40	35	25	15
Guyana.....	18	10	4	4	Zimbabwe.....	15	5	20	81
Paraguay.....	30	35	32	33	Other.....	263	262	263	265
Peru.....	120	45	63	56	Total	1,070	965	925	993
Surinam.....	5	5	5	5	Middle East:				
Uruguay.....	19	14	19	15	Iran.....	296	246	246	220
Venezuela.....	80	72	192	133	Iraq.....	126	133	136	139
Total	1,653	1,314	2,166	1,389	Saudi Arabia.....	55	55	60	60
EC:					Turkey.....	370	495	225	170
Belgium/ Luxembourg.....	108	96	131	110	Other.....	293	286	290	274
Denmark.....	111	41	47	65	Total	1,140	1,215	957	863
France.....	1,034	709	641	350	Asia:				
Germany, Fed. Rep. of.....	707	473	325	315	Bangladesh.....	89	85	52	62
Greece.....	46	64	31	95	China.....	1,679	2,576	2,525	1,725
Ireland.....	80	99	96	85	Taiwan.....	81	159	281	302
Italy.....	439	479	332	346	India.....	2,960	2,700	1,820	2,210
Netherlands.....	233	223	114	87	Indonesia.....	452	464	327	373
Portugal.....	60	20	42	24	Japan.....	194	180	181	170
Spain.....	240	170	335	239	South Korea.....	167	157	157	162
United Kingdom.....	398	338	343	348	Malaysia.....	123	175	166	156
Total	3,456	2,712	2,437	2,064	Pakistan.....	217	336	209	174
Western Europe:					Philippines.....	209	160	275	325
Austria.....	112	77	37	47	Sri Lanka.....	79	63	58	59
Finland.....	80	36	66	74	Thailand.....	113	105	316	86
Norway.....	14	14	19	19	Other.....	119	201	195	196
Sweden.....	125	75	89	135	Total	6,562	7,361	6,562	6,000
Switzerland.....	237	205	200	199	Oceania:				
Other.....	10	10	10	10	Australia.....	310	236	256	256
Total	578	417	421	484	Fiji.....	35	43	37	35
					New Zealand.....	38	34	25	21
					Other.....	8	18	8	7
					Total	391	321	326	319
					World total	23,369	21,176	20,463	19,032

Foreign Agricultural Service.

Table 122.—Sugar, centrifugal (raw value): United States exports, by country of destination, 1987–89 ¹

Country of destination	1987	1988	1989	Country of destination	1987	1988	1989
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America, including Caribbean areas:				Europe:			
Bahamas.....	7,319	7,171	13,078	Denmark.....	37	0	0
Canada.....	101,245	100,420	58,286	Netherlands.....	82	221	146
Haiti.....	16,434	14,786	10,103	Other.....	64	781	1,453
Jamaica.....	22,718	23,017	53,647	Total.....	184	1,002	1,599
Leeward and Windward Islands.....	575	751	952				
Mexico.....	229	192	158,298	Africa:			
Netherlands Antilles.....	6,618	5,422	5,455	Egypt.....	12,840	0	0
Trinidad and Tobago.....	0	0	40	Somalia.....	0	0	0
Other.....	1,285	1,143	1,596	Western Africa.....	0	0	0
				Other.....	71	56	102
Total.....	156,422	152,902	301,455	Total.....	12,911	56	102
South America:				Asia and Oceania:			
Chile.....	47	0	3	Iraq.....	192,120	105,867	101,296
Peru.....	51,838	42	20,770	Jordan.....	0	33,011	18,853
Surinam.....	0	0	0	Turkey.....	26,312	0	0
Venezuela.....			5	China.....	148,814	0	0
Other.....	2	0	6	Saudi Arabia.....	36	0	57
				Trust Ter. of Pac. Is.....	0	0	0
Total.....	51,887	42	20,784	Other.....	598	813	1,150
				Total.....	367,880	139,691	121,356
				World total.....	589,300	293,693	445,296

¹ Includes raw sugar exports and refined sugar exports converted to raw basis.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 123.—Honey: United States imports for consumption, by country of origin, 1987–89

Continent and country of origin	1987	1988	1989	Continent and country of origin	1987	1988	1989
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Europe:			
Canada.....	6,439	5,193	12,422	Germany, Fed. Rep. of.....	127	1,059	381
Dominican Republic.....	249	241	185	Greece.....	13	5	9
El Salvador.....	113	87	60	Hungary.....	174	2,015	1,237
Guatemala.....	337	199	177	USSR.....	210	361	820
Honduras.....	35	0	0	United Kingdom.....	31	27	35
Mexico.....	4,111	1,438	2,969	Other countries.....	141	124	226
Other countries.....	2	3	0	Total.....	687	3,592	2,699
Total.....	11,286	7,161	15,813				
South America:				Asia, Africa, and Oceania:			
Argentina.....	5,116	5,325	4,746	Australia.....	23	21	93
Brazil.....	406	118	192	China.....	8,771	8,970	11,290
Chile.....		5	0	Hong Kong.....	38	90	142
Colombia.....	3	0	0	Japan.....	19	0	32
				New Zealand.....	46	9	2
Total.....	5,525	5,448	4,938	Taiwan.....		1	6
				Other countries.....	30	78	36
				Total.....	8,927	9,169	11,601
				Grand total.....	26,425	25,370	35,051

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 124.—Beeswax, crude: United States imports for consumption, by country of origin, 1987-89

Continent and country of origin	1987	1988	1989 ¹	Continent and country of origin	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Europe:			
Canada.....	229	108	201	France.....	1	1	2
Dominican Republic.....	137	151	47	Germany, Fed. Rep.	10	15	115
Mexico.....	73	0	5	Norway.....	0	0	22
Other countries.....	0	0	0	Other countries.....	6	0	0
South America:				Asia and Oceania:			
Brazil.....	168	179	471	Australia.....	0	27	0
Chile.....	101	106	51	China.....	12	3	34
Other countries.....	22	55	10	Other countries.....	1	1	1
Africa:				Total.....	932	939	1,209
Ethiopia.....	10	10	16				
Tanzania.....	99	99	19				
Other countries.....	8	14	0				

¹ Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 125.—Feed and industrial molasses: Mainland production, inshipments and foreign trade, and total market supplies in the United States, 1974-89

Year	Production in mainland areas						Inshipments from Hawaii
	Mainland cane	Domestic beet	Refiners' blackstrap	Citrus	Hydrol	Total	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	543,546	830,224	239,617	56,379	125,133	1,794,899	235,160
1975.....	667,891	1,001,997	239,617	54,196	130,458	2,094,159	262,774
1976.....	701,523	841,299	267,902	30,895	197,018	2,038,637	249,244
1977.....	608,786	889,665	269,798	27,599	211,395	2,007,243	224,409
1978.....	568,317	746,704	237,263	22,630	221,981	1,796,895	274,702
1979.....	571,826	723,397	207,929	18,440	214,686	1,736,278	306,374
1980.....	584,015	603,333	184,531	33,663	211,534	1,617,076	257,732
1981.....	689,621	1,093,561	254,295	32,662	103,653	2,173,792	293,620
1982.....	676,053	909,425	203,360	21,358	55,378	1,865,574	261,510
1983.....	655,024	866,723	168,001	24,542	48,456	1,762,746	289,440
1984.....	633,649	907,535	184,237	33,371	.....	1,758,792	266,409
1985.....	697,007	879,019	136,184	.....	.....	1,712,210	235,987
1986.....	731,056	1,025,427	127,386	.....	.....	1,883,869	273,683
1987.....	726,854	1,137,014	110,784	.....	.....	1,974,652	152,087
1988.....	775,936	1,006,353	1,006,353	.....	.....	1,883,546	178,476
1989.....	760,887	965,813	122,786	.....	.....	1,849,486	169,270

Year	United States imports from foreign countries					Mainland exports ¹	Total market supplies available
	Brazil	Dominican Republic	Mexico	Other	Total		
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1974.....	330,463	167,173	589,595	958,972	2,046,203	67,332	4,008,930
1975.....	165,857	129,867	396,406	922,811	1,614,941	33,600	3,938,274
1976.....	243,866	146,502	424,973	1,374,190	2,189,531	59,718	4,417,694
1977.....	164,734	56,800	473,147	1,156,480	1,851,161	121,896	3,960,917
1978.....	49,095	68,663	519,734	805,586	1,443,078	108,040	3,406,635
1979.....	51,182	87,125	344,840	750,687	1,233,834	102,700	3,173,786
1980.....	27,764	126,683	180,335	412,497	747,279	125,964	2,496,123
1981.....	103,009	141,118	34,755	764,318	1,043,200	94,675	3,415,937
1982.....	.....	170,554	105,170	809,131	1,084,855	251,318	2,960,621
1983.....	21,848	183,126	124,563	1,142,778	1,472,315	259,029	3,265,472
1984.....	54,489	154,686	94,068	1,066,521	1,369,764	140,449	3,254,516
1985.....	203,080	99,113	161,142	1,180,200	1,643,535	196,134	3,395,601
1986.....	309,340	136,687	97,436	700,088	1,233,055	329,936	3,058,167
1987.....	95,004	123,619	183,525	560,003	962,151	366,957	2,721,954
1988.....	142,897	102,792	93,605	647,576	986,870	299,217	2,749,692
1989.....	107,109	147,235	75,634	596,892	926,870	293,535	2,652,091

¹ Does not include exports from Hawaii and Puerto Rico.

Agricultural Marketing Service.

Table 126.—Edible syrups, molasses, and honey: Production, foreign trade, and indicated domestic consumption, United States, 1975-89

Year	Production ¹						Imports			
	Syrups				Honey	Total	Maple syrup	Edible molasses and cane syrup ³	Honey	Total
	Corn	Maple ²	Refiners	Edible molasses						
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1975.....	561,215	1,207	2,482	2,114	16,823	583,841	607	2,483	3,917	7,007
1976.....	615,498	927	2,403	2,574	16,756	638,158	886	3,188	5,608	9,682
1977.....	695,196	1,221	2,197	2,538	15,076	716,228	867	1,773	5,396	8,036
1978.....	751,809	1,154	2,571	2,750	19,466	777,750	811	2,077	4,727	7,615
1979.....	845,741	1,219	2,524	2,900	20,160	872,544	857	2,944	4,948	8,749
1980.....	941,056	973	1,983	1,900	16,871	962,783	855	3,422	4,143	8,420
1981.....	1,073,933	1,410	1,446	2,100	15,703	1,094,592	1,046	2,040	6,530	9,616
1982.....	1,212,759	1,292	1,003	1,550	18,666	1,235,270	1,154	2,566	7,767	11,487
1983.....	1,334,557	1,150	1,000	1,850	17,314	1,355,871	1,287	2,336	9,277	12,900
1984.....	1,501,377	1,366	950	2,070	13,936	1,519,699	1,248	3,495	10,869	15,612
1985.....	1,721,980	1,325	1,100	1,650	12,669	1,738,724	1,323	4,164	11,676	17,163
1986.....	1,726,348	937	1,000	1,700	16,925	1,746,910	1,672	8,095	10,000	19,767
1987.....	1,780,607	791	750	1,630	19,154	1,802,932	1,476	6,905	4,921	13,302
1988.....	1,824,168	1,168	500	1,925	18,083	1,845,844	1,293	7,295	4,724	13,312
1989 ^s	1,846,605	1,214	250	1,990	14,299	1,864,358	1,623	4,762	6,526	12,911

Year	Exports			Indicated domestic consumption				
	Corn syrup	Honey	Total	Syrups			Honey	Total
				Corn	Maple	Cane and refiners syrup and edible molasses		
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1975.....	1,070	337	1,407	560,145	1,814	7,079	20,403	589,441
1976.....	1,674	396	2,070	618,824	1,813	8,165	21,968	645,770
1977.....	1,543	466	2,009	693,653	2,088	6,508	20,006	722,255
1978.....	1,694	679	2,373	750,115	1,965	7,398	23,514	782,992
1979.....	1,207	747	1,954	844,534	2,076	8,368	24,361	879,339
1980.....	3,498	722	4,220	937,558	1,828	7,620	20,292	967,298
1981.....	2,916	777	3,693	1,071,017	2,456	5,586	21,456	1,100,515
1982.....	791	721	1,512	1,211,968	2,446	5,119	25,712	1,245,245
1983.....	1,223	630	1,853	1,333,334	2,437	5,186	25,961	1,366,918
1984.....	656	627	1,283	1,500,721	2,614	6,515	24,178	1,534,028
1985.....	534	549	1,083	1,721,446	2,648	6,914	23,796	1,754,804
1986.....	638	778	1,416	1,725,710	2,609	9,795	26,147	1,765,261
1987.....	938	1,045	1,983	1,779,669	2,267	9,285	23,030	1,814,251
1988.....	1,720	1,258	2,978	1,822,448	2,461	9,720	21,549	1,856,178
1989 ^s	3,258	840	4,098	1,843,347	2,837	7,002	19,985	1,873,171

¹ Production of edible molasses is from the fall of the preceding year. ² Does not include varying quantities produced on nonfarm lands in Somerset County, Maine. ³ U.S. Department of Commerce molasses and sugar syrups series. ⁴ Estimates for 1973-1977 from U.S. International Trade Commission Publication 881, April 1978. Corn syrup production includes high-fructose corn syrup. ⁵ Preliminary.

Economic Research Service.

Table 127.—Tobacco: Area, yield, production, and value, United States, 1975–89

Year	Area harvested	Yield per acre	Production ¹	Marketing year average price per pound received by farmers	Value of production
	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	1,086,650	2,008	2,182,304	1.026	2,238,288
1976	1,046,920	2,041	2,136,674	1.125	2,404,337
1977	965,800	1,982	1,914,129	1.186	2,270,360
1978	963,730	2,101	2,024,820	1.324	2,679,967
1979	827,700	1,844	1,526,516	1.411	2,153,911
1980	921,020	1,939	1,786,225	1.523	2,720,406
1981	976,580	2,113	2,063,589	1.706	3,520,373
1982	912,730	2,185	1,994,494	1.764	3,518,958
1983	789,155	1,811	1,428,969	1.746	2,495,676
1984	791,700	2,183	1,727,962	1.806	3,120,850
1985	688,020	2,197	1,511,638	1.645	2,486,520
1986	581,550	2,001	1,163,940	1.522	1,771,578
1987	586,290	2,028	1,188,868	1.573	1,869,569
1988	634,030	2,160	1,369,500	1.646	2,254,206
1989 ²	679,600	2,054	1,414,179	1.692	2,393,083

¹ Production figures are on farm-sales-weight basis.² Preliminary.

National Agricultural Statistics Service.

Table 128.—Tobacco: Area, yield, and production, by States, 1987–89

State	Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
CO	1,850	1,810	1,730	1,514	1,641	1,520	2,801	2,971	2,781
FL	5,600	6,400	6,700	2,465	2,680	2,600	13,804	17,152	18,200
GA	32,000	38,000	40,000	2,255	2,260	2,175	72,160	85,880	87,000
IN	5,400	5,500	6,100	2,050	1,990	2,170	11,070	10,945	13,237
KY	148,300	158,000	178,050	2,056	2,247	2,189	304,845	355,024	398,835
MD	11,700	9,000	8,500	1,140	1,330	1,250	13,338	11,970	10,625
MA	520	520	480	1,256	1,475	1,394	653	767	669
MO	1,800	2,200	2,500	1,960	2,010	2,140	3,528	4,422	5,350
NC	224,900	249,900	266,700	2,075	2,211	2,028	466,592	552,627	541,550
OH	7,350	7,820	9,100	1,639	1,854	1,900	12,044	14,497	17,100
PA	10,000	9,500	9,500	1,880	1,913	1,920	18,800	18,175	19,200
SC	42,000	45,000	48,000	2,240	2,225	2,135	94,080	100,125	102,480
TN	49,440	48,520	45,500	1,766	1,920	1,806	87,291	93,142	89,889
VA	39,430	46,710	49,590	1,950	1,973	1,928	76,900	92,177	95,778
WV	1,800	1,700	1,450	1,440	1,600	1,200	2,592	2,720	2,040
WI	4,200	3,450	5,700	1,993	2,002	2,010	8,370	6,906	9,445
US	586,290	634,030	679,600	2,028	2,160	2,054	1,188,868	1,369,500	1,414,179

¹ Preliminary.

National Agricultural Statistics Service.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1987-89

Continent and country	Area harvested			Yield per hectare			Production ²		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North and Central America incl. Caribbean:									
Canada	29,537	29,136	31,530	2.08	2.40	2.35	61,388	69,787	74,125
Costa Rica	926	800	851	1.84	2.05	1.84	1,703	1,643	1,567
Cuba	56,000	50,000	50,000	.77	.88	.88	43,000	44,000	44,000
Dominican Republic	22,798	22,828	27,011	1.39	1.00	1.04	31,656	22,757	28,053
El Salvador	500	620	624	2.79	2.27	2.46	1,394	1,409	1,532
Guatemala	4,370	5,184	6,440	1.67	1.73	1.84	7,303	8,951	11,866
Haiti	565	565	565	1.29	1.29	1.29	730	730	730
Honduras	2,597	2,340	2,531	1.46	1.61	1.68	3,804	3,775	4,246
Jamaica & Dep.	1,175	1,175	1,175	1.99	1.99	1.99	2,339	2,339	2,339
Mexico	47,443	44,895	33,029	1.03	1.67	1.81	48,720	75,120	59,890
Nicaragua	2,240	2,240	2,240	2.03	2.03	2.03	4,550	4,550	4,550
Panama	720	720	720	1.81	1.81	1.81	1,302	1,302	1,302
Trinidad and Tobago	100	100	100	1.70	1.70	1.70	170	170	170
United States	237,864	256,692	272,884	2.27	2.42	2.28	539,267	621,202	621,355
St. Vincent	70	70	70	1.26	1.26	1.21	88	88	85
North American Caribbean	406,405	417,365	429,770	1.84	2.06	1.99	747,414	857,823	855,810
Argentina	53,100	55,233	56,348	1.32	1.31	1.43	70,231	72,235	80,544
Bolivia	1,250	1,250	1,250	1.00	1.00	1.00	1,250	1,250	1,250
Brazil	286,000	267,000	294,000	1.43	1.57	1.57	410,000	419,000	462,000
Chile	2,613	3,024	3,423	3.38	3.30	3.24	8,826	9,969	11,105
Colombia	21,522	20,771	19,900	1.47	1.53	1.52	31,637	31,839	30,236
Ecuador	1,800	1,940	1,900	2.03	2.14	2.14	3,646	4,160	3,850
Guyana	100	100	100	1.00	1.00	1.00	100	100	100
Paraguay	9,302	5,225	2,740	1.29	1.35	1.29	12,000	7,070	3,545
Peru	2,500	2,500	2,500	1.24	1.24	1.24	3,100	3,100	3,100
Uruguay	800	800	800	1.75	1.75	1.75	1,400	1,400	1,400
Venezuela	8,014	8,799	7,917	1.66	1.65	1.70	13,300	14,528	13,490
South America	387,001	366,642	390,778	1.44	1.54	1.56	555,490	564,651	610,620
Europe:									
Belgium-Luxembourg	384	426	438	2.81	3.87	4.12	1,079	1,647	1,805
France	14,349	12,670	11,413	2.36	2.32	2.56	33,923	29,357	29,216
Germany, Fed. Rep. of	3,206	3,084	3,299	1.93	2.30	2.14	6,175	7,090	7,049
Greece	92,519	87,006	81,421	1.56	1.55	1.54	144,045	134,795	125,651
Italy	77,451	93,810	98,200	2.09	1.97	2.01	162,127	184,355	197,000
Portugal	2,001	2,123	2,076	1.95	1.96	2.64	3,900	4,151	5,472
Spain	24,691	24,400	27,330	1.47	1.41	1.66	36,210	34,325	45,415
European Community	214,601	223,519	224,177	1.81	1.77	1.84	387,459	395,720	411,608
Austria	264	259	256	1.58	1.76	1.58	416	457	404
Switzerland	712	685	675	1.83	2.55	2.40	1,306	1,750	1,620
Western Europe	215,577	224,463	225,108	1.81	1.77	1.84	389,181	397,927	413,632
Albania	24,000	24,000	24,000	.67	.63	.63	16,000	15,000	15,000
Bulgaria	90,468	87,609	79,000	1.46	1.32	1.05	132,374	115,734	83,200
Czechoslovakia	3,756	3,750	3,750	1.46	1.47	1.47	5,500	5,500	5,500
Germany, Dem. Rep. of	3,800	3,648	3,656	1.70	1.48	1.48	6,450	5,382	5,415
Hungary	10,700	10,900	10,200	2.13	2.09	1.89	22,810	22,800	19,305
Poland	48,426	41,772	29,429	2.40	2.22	2.04	116,100	92,870	60,000
Romania	34,500	39,500	39,000	.84	.98	.96	28,900	38,650	37,425
Yugoslavia	61,000	52,000	50,000	1.18	.98	1.15	72,000	51,000	57,500
East Europe	276,650	263,179	239,035	1.45	1.32	1.19	400,134	346,936	283,345
Total Europe	492,227	487,642	464,143	1.60	1.53	1.50	789,315	744,863	696,977
Soviet Union	161,000	131,500	127,500	1.84	1.84	1.85	296,000	242,000	236,235
Africa:									
Algeria	3,860	2,580	2,600	1.32	1.63	1.85	5,080	4,200	4,800
Angola	3,950	3,950	3,950	.99	.99	.99	3,900	3,900	3,900
Benin	200	200	200	1.44	2.00	2.00	288	400	400
Burundi	2,000	2,000	2,000	.80	.80	.80	1,600	1,600	1,600
Cameroon	3,400	3,400	3,400	1.56	1.50	1.62	5,310	5,100	5,500
Central African Republic	800	750	750	.78	.83	.87	624	625	650
Chad	200	200	200	1.00	1.00	1.00	200	200	200
Congo (Brazzaville) ..	4,000	4,000	4,000	.45	.45	.45	1,800	1,800	1,800
Cote d'Ivoire	10,000	10,000	10,000	.24	.25	.25	2,400	2,467	2,490
Ethiopia	3,000	3,000	3,000	1.10	1.13	1.15	3,300	3,400	3,450
Ghana	3,950	3,950	3,950	.45	.46	.47	1,789	1,825	1,850

See footnotes at end of table.

Table 129.—Tobacco: Area, yield, and production in specified countries, 1987-89—
Continued

Continent and country	Area harvested			Yield per hectare			Production ²		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Hec- tares	Hec- tares	Hec- tares	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Africa—Continued									
Kenya.....	5,000	5,100	5,100	1.40	1.62	1.74	6,995	8,262	8,850
Liberia.....	10	10	10	1.00	1.00	1.00	10	10	10
Libya.....	900	900	900	1.61	1.61	1.61	1,450	1,450	1,450
Madagascar.....	5,900	5,900	5,900	.85	.93	.93	5,000	5,500	5,500
Malawi.....	89,250	89,750	89,640	.85	.84	.97	75,758	75,053	86,615
Mali.....	1,000	1,000	1,000	.55	.55	.55	550	550	550
Mauritius.....	1,600	1,633	1,650	.60	.56	.57	954	912	936
Morocco.....	3,357	4,768	5,483	1.40	1.35	1.19	4,686	6,440	6,551
Mozambique.....	2,700	2,700	2,700	1.07	1.07	.93	2,900	2,900	2,900
Niger.....	1,000	1,000	1,000	.92	.93	.93	920	930	930
Nigeria.....	8,198	8,198	8,198	.98	.98	.98	8,000	8,075	8,075
Reunion.....	200	200	200	1.05	1.05	1.00	209	210	200
Sierra Leone.....	540	540	540	1.07	1.11	1.11	580	600	600
South Africa.....	26,083	24,936	25,699	1.07	1.23	1.45	27,780	30,705	37,305
Swaziland.....	200	200	200	1.00	1.00	1.00	200	200	200
Tanzania.....	24,618	21,250	21,250	.70	.80	.71	17,355	17,055	15,000
Togo.....	4,000	4,000	4,000	.50	.50	.50	2,000	2,000	2,000
Tunisia.....	4,450	5,400	5,455	1.13	1.02	1.03	5,040	5,500	5,610
Uganda.....	2,600	3,300	3,500	.96	.91	.91	2,500	3,000	3,200
Zaire.....	3,700	3,700	3,700	1.11	1.11	1.11	4,110	4,110	4,110
Zambia.....	3,500	3,500	3,500	1.07	1.23	1.23	3,750	4,300	4,300
Zimbabwe.....	65,670	61,563	60,544	2.00	2.01	2.23	131,483	123,671	135,205
Total.....	289,836	283,578	284,219	1.13	1.15	1.26	328,521	326,950	356,737
Mid East and Asia:									
Bangladesh.....	54,000	54,000	54,000	.95	.95	.95	51,545	51,545	51,545
Burma.....	46,000	55,000	55,000	.87	.82	.82	40,000	45,000	45,000
China (Mainland).....	1,142,000	1,554,850	1,726,500	1.70	1.76	1.61	1,943,000	2,731,500	2,777,150
China (Taiwan).....	9,070	8,654	8,019	2.65	2.39	2.37	24,005	20,712	18,986
Cyprus.....	161	161	161	1.50	1.50	1.50	241	241	241
India.....	384,000	318,000	375,300	1.20	1.16	1.31	460,200	367,400	491,400
Indonesia.....	279,358	241,377	233,529	.55	.57	.64	154,020	137,775	150,114
Iran.....	18,000	18,000	18,000	1.33	1.36	1.39	24,000	24,500	25,000
Iraq.....	10,000	2,000	2,000	.99	1.09	1.09	9,900	2,180	2,180
Israel.....	600	800	400	.62	.37	.70	370	295	280
Japan.....	42,327	40,557	30,661	2.47	2.12	2.43	104,400	85,790	74,397
Jordan.....	6,000	6,000	6,000	.73	.67	.69	4,400	4,000	4,150
Cambodia.....	9,000	9,000	9,000	.56	.56	.56	5,000	5,000	5,000
Korea, Dem. Peo. Rep. of.....	37,000	37,000	37,000	1.24	1.24	1.24	46,000	46,000	46,000
Korea, Rep. of.....	35,274	31,821	30,985	2.21	2.29	2.53	78,039	72,998	78,422
Laos.....	4,000	4,000	4,000	.75	.75	.75	3,000	3,000	3,000
Lebanon.....	3,750	3,750	3,750	1.33	1.33	1.33	5,000	5,000	5,000
Malaysia.....	12,664	9,632	12,481	.90	.78	1.11	11,388	7,480	13,877
Oman.....	1,800	1,800	1,800	1.14	1.17	1.11	2,050	2,100	2,000
Pakistan.....	38,996	41,599	43,216	1.77	1.67	1.71	69,404	69,530	73,950
Philippines.....	47,898	49,457	46,850	1.66	1.39	1.57	79,417	68,802	73,396
Sri Lanka.....	12,165	12,165	12,165	.74	.74	.74	9,000	9,000	9,000
Syria.....	15,117	14,355	10,145	1.11	1.12	1.07	16,719	16,054	10,859
Thailand.....	59,141	55,502	56,716	1.13	1.06	1.14	67,087	58,561	64,780
Turkey.....	202,805	236,860	273,837	.91	.92	.92	184,712	218,774	252,657
United Arab Emirates.....	300	350	350	6.50	5.71	5.71	1,950	2,000	2,000
Vietnam.....	32,000	32,000	32,000	.88	.88	.88	28,000	28,000	28,000
Yemen (Sanaa).....	3,105	3,322	3,300	1.69	1.69	1.73	5,250	5,600	5,720
Total.....	2,506,531	2,842,012	3,087,165	1.37	1.44	1.40	3,427,733	4,088,837	4,314,104
Oceania:									
Australia.....	5,500	5,015	4,771	2.44	2.66	2.79	13,400	13,335	13,296
New Zealand.....	620	700	600	2.55	2.57	2.58	1,580	1,800	1,550
Solomon Is.....	100	100	100	.94	.96	.95	94	96	95
Total.....	6,220	5,815	5,471	2.42	2.62	2.73	15,074	15,231	14,941
World total.....	4,249,220	4,534,554	4,789,046	1.45	1.51	1.48	6,159,547	6,840,355	7,085,424

¹ Preliminary. ² Production figures on farm-sales-weight basis, which is about 10 percent above dry-weight figures normally reported in trade statistics.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1980-89 (farm-sales-weight basis)

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
Total flue-cured, types 11-14:	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1980.....	555,110	1,957	1,086,099	1,965,386	3,051,485	^a 1,038,513	508,916	529,597	144.5
1981.....	540,600	2,164	1,169,733	2,012,570	3,182,303	^a 1,011,732	522,947	488,795	166.4
1982.....	472,300	2,131	1,006,527	2,145,138	3,151,665	^a 934,737	455,875	478,777	178.5
1983.....	409,800	2,004	821,288	2,204,654	3,025,942	^a 894,150	452,544	441,606	177.9
1984.....	392,000	2,206	864,625	2,165,304	3,029,929	^a 934,785	480,493	454,292	181.1
1985.....	357,100	2,241	800,258	2,080,119	2,880,377	^a 911,494	435,085	476,409	171.9
1986.....	308,300	2,091	644,563	1,958,025	2,602,518	^a 872,932	393,191	479,741	152.7
1987.....	324,600	2,129	690,914	1,751,991	2,442,905	^a 922,618	385,282	537,336	158.7
1988.....	366,400	2,219	813,212	1,512,573	2,325,785	^a 884,685	362,825	521,860	161.3
1989 ^a	390,700	2,069	808,350	1,423,988	2,232,338				167.4
Total fire-cured, types 21-23:									
1980.....	23,260	1,559	36,260	77,278	113,538	42,190	19,865	22,325	138.3
1981.....	24,650	1,526	37,624	71,348	108,972	37,558	21,177	16,381	157.1
1982.....	28,310	1,881	53,256	71,352	124,608	45,680	22,079	23,601	152.0
1983.....	26,210	1,417	37,138	78,928	116,066	43,837	22,883	22,954	174.8
1984.....	28,290	2,001	56,620	72,229	128,849	34,466	17,783	16,683	151.4
1985.....	25,110	2,007	50,385	94,383	144,768	42,509	21,187	21,322	146.9
1986.....	21,080	1,958	41,271	102,259	143,530	41,407	22,495	18,912	143.1
1987.....	13,860	1,990	27,575	100,023	127,598	41,947	21,780	20,167	149.6
1988.....	13,540	2,271	30,744	85,651	116,395	34,075	19,171	14,904	213.8
1989 ^a	15,100	1,915	28,923	82,320	111,243				195.1
Virginia fire-cured, type 21:									
1980.....	3,900	935	3,647	9,263	12,910	4,632	2,033	2,599	128.1
1981.....	4,100	1,265	5,187	8,278	13,198	4,531	2,711	1,820	131.2
1982.....	4,800	1,150	5,520	8,872	14,392	4,139	1,510	2,629	117.6
1983.....	4,700	985	4,630	10,253	14,883	6,837	2,104	4,733	126.8
1984.....	4,600	1,325	6,095	8,046	14,141	4,095	3,017	1,078	117.8
1985.....	3,600	1,245	4,482	10,046	14,528	8,627	4,709	3,918	124.0
1986.....	2,900	1,220	3,538	5,901	9,439	2,366	2,043	323	127.8
1987.....	2,600	1,000	2,600	6,978	9,578	3,158	2,582	576	131.5
1988.....	2,300	1,270	2,920	6,420	9,340	2,870	2,545	325	148.2
1989 ^a	2,000	1,240	2,480	6,470	8,950				153.7
Kentucky and Tennessee fire-cured, types 22-23:									
1980.....	19,360	1,685	32,613	68,015	100,628	37,558	17,832	19,726	139.4
1981.....	20,550	1,578	32,437	63,070	100,064	33,027	18,466	14,561	161.1
1982.....	23,510	2,030	47,736	62,480	110,216	41,541	20,569	20,972	156.0
1983.....	21,510	1,511	32,508	68,675	101,183	37,000	20,779	16,221	181.7
1984.....	23,690	2,133	50,525	64,183	114,708	30,371	14,766	15,605	155.4
1985.....	21,510	2,134	45,903	84,337	130,240	33,882	16,478	17,404	149.2
1986.....	18,180	2,078	37,773	96,358	134,131	39,041	20,452	18,589	144.5
1987.....	11,260	2,218	24,975	93,045	118,020	38,789	19,198	19,591	151.5
1988.....	11,240	2,475	27,824	79,231	107,055	31,205	16,626	14,579	220.7
1989 ^a	13,100	2,019	26,443	75,850	102,293				199.0
Burley, type 31:									
1980.....	276,600	2,027	560,783	1,025,812	1,586,595	^a 583,124	105,494	477,630	165.9
1981.....	331,200	2,203	729,774	1,000,221	1,729,995	^a 604,917	141,016	463,898	180.7
1982.....	346,200	2,374	821,918	1,120,907	1,942,825	^a 578,875	134,448	444,027	180.1
1983.....	292,600	1,645	481,439	1,318,726	1,800,165	^a 501,031	112,305	388,726	177.3
1984.....	315,700	2,256	712,209	1,344,395	2,056,604	^a 556,193	153,627	402,566	187.6
1985.....	255,100	2,247	573,321	1,461,915	2,035,236	^a 575,566	150,631	424,935	159.4
1986.....	210,700	1,936	407,922	1,428,249	1,836,171	^a 567,197	165,275	401,922	156.5
1987.....	215,800	1,943	419,360	1,278,823	1,698,183	^a 633,021	156,480	476,541	156.3
1988.....	226,300	2,109	477,208	1,073,302	1,550,510	^a 578,307	163,965	414,342	161.0
1989 ^a	244,350	1,975	482,568	963,095	1,445,663				167.2
Maryland, type 32:									
1980.....	23,990	1,091	26,176	38,529	64,705	27,295	8,739	18,556	167.9
1981.....	36,230	1,281	46,424	37,410	83,834	36,472	8,088	28,384	157.3
1982.....	29,340	1,433	42,049	47,362	89,411	38,898	12,935	25,963	146.1
1983.....	31,300	1,196	37,440	50,513	87,953	33,844	4,108	29,736	106.9
1984.....	27,300	1,396	38,100	54,109	92,209	37,700	9,030	28,670	132.0
1985.....	23,500	1,400	32,900	54,509	87,409	35,751	7,982	27,769	129.0
1986.....	19,400	1,430	27,750	53,408	81,158	30,493	6,559	23,934	106.5
1987.....	15,700	1,321	20,738	50,665	71,403	30,212	5,383	24,823	111.0
1988.....	12,500	1,476	18,445	41,191	59,636	26,523	5,123	21,400	150.8
1989 ^a	12,500	1,426	17,825	33,113	50,938				163.4

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1980–89 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
Total dark air-cured, types 35–37:	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1980.....	9,690	1,716	16,624	36,192	52,816	14,752	2,440	12,312	126.5
1981.....	10,210	1,599	16,330	38,064	54,394	14,879	2,284	12,595	133.0
1982.....	10,770	1,916	20,636	39,515	60,151	16,449	946	15,503	122.3
1983.....	9,190	1,597	14,673	43,702	58,375	14,350	2,284	12,066	150.8
1984.....	9,240	2,118	19,569	44,025	63,594	14,361	2,532	11,829	126.9
1985.....	7,700	2,002	15,419	49,233	64,652	12,793	2,944	9,849	125.9
1986.....	5,490	2,036	11,180	51,859	63,039	13,462	2,513	10,949	120.1
1987.....	3,610	1,932	6,976	47,630	54,606	15,387	1,569	13,818	129.9
1988.....	3,390	2,218	7,519	39,219	46,738	9,644	1,950	7,694	162.2
1989 *.....	3,540	1,845	6,532	37,094	43,626				169.5
One Sucker, type 35:									
1980.....	7,100	1,747	12,402	19,772	32,174	8,867	2,278	6,589	126.5
1981.....	7,400	1,636	12,103	23,307	35,410	9,819	2,133	7,686	136.0
1982.....	7,400	1,959	14,497	25,591	40,088	10,878	787	10,091	122.4
1983.....	6,000	1,621	9,728	29,210	38,938	10,265	2,105	8,160	155.4
1984.....	6,100	2,151	13,120	28,673	41,793	10,518	1,948	8,570	131.1
1985.....	5,200	2,058	10,704	31,275	41,979	9,864	2,130	7,734	129.3
1986.....	3,660	1,979	7,244	32,115	39,245	8,783	2,405	6,378	122.5
1987.....	2,380	1,952	4,646	30,576	35,222	9,877	1,436	8,441	138.0
1988.....	2,330	2,243	5,226	25,345	30,571	(⁵)	(⁵)	(⁵)	171.8
1989 *.....	2,450	1,828	4,478	(⁵)	(⁵)				175.5
Green River, type 36:									
1980.....	2,200	1,740	3,828	14,396	18,224	5,093	55	5,038	126.5
1981.....	2,300	1,545	3,554	13,131	17,271	4,336	8	4,328	123.1
1982.....	2,800	1,930	5,404	12,349	17,753	4,712	80	4,632	124.3
1983.....	2,700	1,690	4,563	13,041	17,604	3,613	68	3,545	142.5
1984.....	2,700	2,170	5,859	13,991	19,850	3,310	425	2,885	120.7
1985.....	2,300	1,950	4,485	16,540	21,540	2,214	566	1,648	119.0
1986.....	1,700	2,220	3,774	18,111	22,585	4,466	0	4,466	115.4
1987.....	1,100	2,000	2,200	18,119	20,319	4,687	5	4,682	114.4
1988.....	950	2,280	2,166	15,632	17,798	(⁵)	(⁵)	(⁵)	141.1
1989 *.....	1,000	1,950	1,950	(⁵)	(⁵)				157.6
Virginia sun-cured, type 37:									
1980.....	390	1,010	394	2,024	2,418	792	107	685	127.1
1981.....	510	1,320	673	1,626	2,275	724	143	581	131.7
1982.....	570	1,290	735	1,575	2,310	859	79	780	106.4
1983.....	490	780	382	1,451	1,833	472	111	361	132.5
1984.....	440	1,340	590	1,361	1,951	533	159	374	94.3
1985.....	200	1,150	230	1,418	1,648	715	248	467	100.0
1986.....	130	1,245	162	933	1,095	132	108	24	124.2
1987.....	130	1,000	130	963	1,262	264	128	136	102.5
1988.....	110	1,155	127	829	956	429	126	303	123.9
1989 *.....	90	1,155	104	527	631				135.1
Total continental cigar filler, types 41–44:									
1980.....	14,400	1,881	27,080	52,895	79,975	23,871	537	23,334	88.8
1981.....	15,000	1,981	29,713	56,104	85,817	29,098	211	28,887	82.1
1982.....	12,500	1,993	24,910	56,719	81,629	21,621	393	21,228	75.4
1983.....	9,100	1,776	16,163	60,008	76,171	22,355	304	22,051	82.1
1984.....	8,800	1,913	16,830	53,816	76,646	22,005	210	21,795	90.0
1985.....	8,820	1,959	17,281	48,641	65,922	17,128	230	16,898	72.6
1986.....	7,920	1,984	15,710	48,794	64,504	26,087	195	25,892	66.7
1987.....	7,050	1,897	13,372	38,417	51,789	20,919	306	20,613	72.1
1988.....	6,020	1,948	11,728	30,870	42,598	14,185	22	14,163	102.0
1989 *.....	5,500	1,950	10,725	28,415	39,140				127.0
Pennsylvania seedleaf filler, type 41:									
1980.....	13,000	1,900	24,700	49,095	73,795	21,705	537	21,168	87.0
1981.....	13,300	2,050	27,265	52,090	79,355	27,012	211	26,801	80.0
1982.....	10,700	2,000	21,400	52,343	73,743	19,618	393	19,225	73.0
1983.....	7,700	1,850	14,245	54,125	68,370	20,415	304	20,111	83.0
1984.....	7,700	1,900	14,630	47,955	62,585	20,125	210	19,915	90.0
1985.....	8,000	1,950	15,600	42,460	58,060	16,339	230	16,109	71.0
1986.....	7,600	2,000	15,200	41,721	56,921	24,825	195	24,630	66.0
1987.....	7,000	1,900	13,300	32,096	45,396	20,336	306	20,030	72.0
1988.....	6,000	1,950	11,700	25,060	36,760	12,412	22	12,390	104.0
1989 *.....	5,500	1,950	10,725	24,348	35,073				127.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1980-89 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
Miami Valley (Ohio) filler, types 42-44:	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1980	1,400	1,700	2,380	3,800	6,180	2,166	.....	2,166	107.0
1981	1,700	1,440	2,448	2,060	4,508	2,086	.....	2,086	105.0
1982	1,800	1,950	3,510	4,376	7,886	2,003	.....	2,003	90.0
1983	1,400	1,370	1,918	5,883	7,801	1,940	.....	1,940	75.0
1984	1,100	2,000	2,200	5,861	8,061	1,880	.....	1,880	90.0
1985	820	2,050	1,681	6,181	7,862	789	.....	789	87.0
1986	320	1,595	510	7,073	7,563	1,262	.....	1,262	89.0
1987	50	1,440	72	6,321	6,393	583	.....	583	96.0
1988	20	1,400	28	5,810	5,838	1,773	.....	1,773	104.0
1989 ⁴	0	0	0	4,067	4,067	.....	.....	.....	**
Puerto Rican filler, type 46: ⁵									
1980	1,100	1,380	1,520	8,078	10,578	1,644	.....	1,644	73.5
1981	600	1,000	600	7,963	7,559	1,309	.....	1,309	86.0
1982	300	1,000	300	7,259	7,559	712	.....	712	91.0
1983	800	1,000	800	6,847	7,647	1,587	.....	1,587	91.0
1984	600	1,000	600	6,060	6,660	283	.....	283	74.0
1985	400	1,000	400	6,377	6,777	949	.....	949	74.0
1986	200	1,000	200	6,028	6,228	1,563	.....	1,563	75.0
1987	200	1,000	200	4,965	5,165	1,076	.....	1,076	74.7
1988	200	1,000	200	4,189	4,389	971	.....	971	73.1
1989 ⁴	200	1,000	200	3,418	3,618	.....	.....	.....	**
Total cigar binder, types 51-55:									
1980	14,400	1,985	28,590	54,569	83,159	23,504	.....	23,296	129.9
1981	15,440	1,982	29,830	61,822	91,652	22,104	123	21,981	118.9
1982	12,200	1,941	23,675	67,099	90,774	23,316	187	23,129	115.2
1983	9,975	1,920	19,156	67,558	86,714	21,048	188	20,860	115.5
1984	9,150	1,998	18,284	65,180	83,464	20,089	313	19,776	116.4
1985	9,330	2,147	20,023	63,375	83,408	23,073	222	22,851	110.6
1986	7,330	1,891	13,860	59,917	73,777	19,973	244	19,729	105.5
1987	5,240	1,937	10,149	53,804	63,953	21,620	180	21,440	112.3
1988	4,400	1,940	8,536	42,333	50,869	16,503	123	16,380	133.6
1989 ⁴	6,430	1,967	12,647	34,540	47,187	.....	.....	.....	153.0
Connecticut Valley binder, types 51- 52:									
1980	1,500	1,750	2,625	5,664	8,298	2,197	173	2,024	178.8
1981	1,740	1,998	3,477	6,092	9,569	2,483	112	2,371	182.1
1982	2,100	1,685	3,539	7,086	10,625	3,286	185	3,101	180.9
1983	1,375	1,793	2,465	7,270	9,735	3,074	156	2,918	155.7
1984	1,050	1,794	1,884	6,661	8,545	2,603	289	2,314	167.6
1985	1,130	1,819	2,055	5,942	7,997	1,474	222	1,252	177.5
1986	1,130	1,770	2,000	6,523	8,523	2,119	222	1,897	177.5
1987	1,040	1,711	1,779	6,404	8,163	1,956	180	1,776	170.0
1988	950	1,716	1,630	6,227	7,857	2,952	123	2,829	170.0
1989 ⁴	730	1,721	1,256	4,905	6,161	.....	.....	.....	180.0
Wisconsin binder, types 54-55:									
1980	12,900	2,013	25,965	43,905	74,870	21,307	35	21,272	125.0
1981	13,700	1,924	26,353	55,730	82,083	19,621	11	19,610	110.6
1982	10,100	1,994	20,136	60,013	80,149	19,861	2	19,859	103.7
1983	8,600	1,941	16,691	60,288	76,979	18,460	32	18,428	109.6
1984	8,100	2,025	16,400	58,519	74,919	17,486	24	17,462	110.5
1985	8,200	2,192	17,978	57,423	75,401	21,599	0	21,599	103.0
1986	6,200	1,913	11,860	53,394	65,254	17,854	22	17,832	93.4
1987	4,200	1,993	8,370	47,400	55,770	19,664	0	19,664	100.0
1988	3,450	2,002	6,906	36,106	43,012	18,551	0	18,551	125.0
1989 ⁴	5,700	1,998	11,391	29,635	41,026	.....	.....	.....	150.0
Southern Wisconsin, type 54:									
1980	6,300	2,110	13,293	.....	.....	.....	.....	.....	125.0
1981	6,400	2,150	13,760	.....	.....	.....	.....	.....	113.0
1982	5,100	2,110	10,761	.....	.....	.....	.....	.....	106.0
1983	4,400	2,080	9,152	.....	.....	.....	.....	.....	110.0
1984	3,900	2,105	8,210	.....	.....	.....	.....	.....	111.0
1985	3,900	2,465	9,614	.....	.....	.....	.....	.....	103.0
1986	2,800	1,965	5,502	.....	.....	.....	.....	.....	95.0
1987	2,700	2,100	5,670	.....	.....	.....	.....	.....	100.0
1988	2,400	2,090	5,016	.....	.....	.....	.....	.....	125.0
1989 ⁴	3,600	2,155	7,758	.....	.....	.....	.....	.....	150.0

See footnotes at end of table.

Table 130.—Tobacco: Area, yield, production, stocks, supply, disappearance, and price, by types, United States including Puerto Rico, 1980-89 (farm-sales-weight basis)—Continued

Type and crop year	Area	Yield per acre	Production	Stocks ¹	Supply	Disappearance			Av. price per pound to growers
						Total	Exports ²	Domestic	
Northern									
Wisconsin,									
type 55:	<i>Acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>
1980.....	6,600	1,920	12,672						125.0
1981.....	7,300	1,725	12,593						108.0
1982.....	5,000	1,875	9,375						101.0
1983.....	4,200	1,795	7,539						109.0
1984.....	4,200	1,950	8,190						110.0
1985.....	4,300	1,945	8,364						103.0
1986.....	3,400	1,870	6,358						92.0
1987.....	1,500	1,800	2,700						100.0
1988.....	1,050	1,800	1,890						125.0
1989 ⁴	2,100	1,730	3,633						150.0
Total cigar wrapper,									
types 61-62: ⁷									
1980.....	2,990	1,513	4,524	7,787	12,311	6,129	3,962	2,167	980.0
1981.....	2,600	1,592	4,138	6,182	10,320	5,056	1,565	3,491	1,000.0
1982.....	1,120	1,421	1,592	5,254	6,846	3,418	1,986	2,432	1,250.0
1983.....	980	1,706	1,672	3,428	5,100	1,361	1,000	361	1,100.0
1984.....	1,220	1,414	1,725	3,739	5,464	2,657	2,180	477	1,250.0
1985.....	1,360	1,501	2,041	2,807	4,848	2,217	2,000	217	1,265.0
1986.....	1,330	1,266	1,684	2,633	4,317	2,130	1,850	280	1,310.0
1987.....	1,280	1,242	1,590	2,185	3,775	2,023	1,900	123	1,550.0
1988.....	1,380	1,528	2,108	1,752	3,860	2,114	2,000	114	2,120.0
1989 ⁴	1,480	1,543	2,283	1,749	4,032				2,170.0
Total tobacco, types									
11-72: ⁸									
1980.....	921,620	1,940	1,787,692	3,258,448	5,046,140	³ 1,761,022	650,161	1,110,871	152.3
1981.....	976,580	2,114	2,064,211	3,291,217	5,335,428	³ 1,763,032	697,411	1,065,621	170.6
1982.....	913,030	2,185	1,995,294	3,560,605	5,555,468	³ 1,664,452	629,224	1,035,228	176.4
1983.....	789,955	1,810	1,429,769	3,334,364	5,264,133	³ 1,533,563	595,616	937,947	174.5
1984.....	792,300	2,182	1,728,562	3,309,244	5,537,806	³ 1,622,539	666,168	956,361	180.6
1985.....	688,420	2,196	1,512,038	3,365,380	5,377,418	³ 1,621,480	620,281	1,011,199	164.5
1986.....	581,750	2,001	1,164,140	3,711,172	4,875,242	³ 1,572,021	590,472	981,549	152.2
1987.....	587,340	2,028	1,190,874	3,323,538	4,514,412	1,688,778	571,425	1,118,353	157.0
1988.....	634,030	2,160	1,369,500	2,826,891	4,196,391	1,566,036	555,179	1,010,857	164.6
1989 ⁴	679,600	2,016	1,369,853	2,604,314	3,974,167				170.8

^{**} Not applicable. ¹ July 1 for flue-cured types 11-14 and cigar types 61 and 62; Oct. 1 for all other types.
² Exports by rehandling trade included in totals of types from which they are made. ³ Disappearance adjusted for tobacco still on farms at end of marketing year. ⁴ Preliminary. ⁵ Not available. ⁶ Puerto Rican crop planted in the fall of the year shown and harvested the following spring. ⁷ No type 62 tobacco has been produced since 1978. All stocks of type 62 were used in the 1984 crop year. ⁸ Includes Perique.

Economic Research Service. Basic export data from the official reports of the Department of Commerce.

Table 131.—Tobacco: Stocks owned by dealers and manufacturers, by types, United States, 1984-88 (farm-sales-weight basis) ¹

Type and year	Jan. 1	Apr. 1	July 1	Oct. 1	Type and year	Jan. 1	Apr. 1	July 1	Oct. 1
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Flue-cured, types 11-14:					Puerto Rican filler, type 46:				
1985.....	2,451,380	2,239,281	2,080,119	2,396,445	1985.....	6,771	6,226	6,257	6,377
1986.....	2,360,375	2,132,070	1,958,025	2,216,827	1986.....	6,194	5,760	5,937	6,028
1987.....	2,140,894	1,913,456	1,751,991	1,990,329	1987.....	6,015	7,061	5,590	4,965
1988.....	1,961,489	1,697,840	1,512,573	1,855,355	1988.....	5,001	4,828	4,804	4,189
1989.....	1,794,896	1,593,940	1,423,988	1,733,978	1989.....	4,548	4,486	3,353	3,418
Virginia fire-cured, type 21:					Connecticut Valley, types 51-52:				
1985.....	9,455	12,340	11,352	10,046	1985.....	6,426	6,579	6,087	5,942
1986.....	6,930	9,218	7,057	5,901	1986.....	6,240	6,916	7,096	6,523
1987.....	7,634	8,820	7,907	7,055	1987.....	6,901	6,446	6,204	6,404
1988.....	8,015	7,754	7,558	6,556	1988.....	6,196	6,650	6,323	6,227
1989.....	7,483	7,970	7,594	6,484	1989.....	6,021	6,007	5,779	4,905
Kentucky and Tennessee fire-cured, types 22-23:					Wisconsin, types 54-55:				
1985.....	58,745	91,276	89,392	83,337	1985.....	56,043	68,582	60,084	57,433
1986.....	74,098	106,235	104,559	96,358	1986.....	50,057	78,950	58,895	53,394
1987.....	87,957	115,168	105,550	95,960	1987.....	50,014	57,360	54,671	47,400
1988.....	88,161	99,592	93,747	82,214	1988.....	45,026	48,934	38,645	36,106
1989.....	76,800	93,114	87,116	79,600	1989.....	25,741	35,226	32,664	29,635
Burley, type 31:					Connecticut Valley shade-grown, type 61:				
1985.....	1,698,885	1,689,257	1,575,152	1,461,915	1985.....	3,340	2,904	2,807	3,033
1986.....	1,714,896	1,709,785	1,562,937	1,428,249	1986.....	3,527	2,718	2,633	2,365
1987.....	1,613,402	1,551,786	1,402,255	1,281,015	1987.....	2,631	2,309	2,185	1,773
1988.....	1,364,940	1,357,323	1,216,457	1,073,857	1988.....	2,701	2,171	1,752	1,569
1989.....	1,227,400	1,236,782	1,085,417	964,581	1989.....	2,407	2,991	1,749	2,953
Maryland, type 32:					Georgia and Florida shade-grown, type 62:				
1985.....	49,001	47,958	58,192	54,509	1985.....	0	0	0	0
1986.....	48,535	48,123	58,320	53,408	1986.....	0	0	0	0
1987.....	47,750	45,174	54,388	50,665	1987.....	0	0	0	0
1988.....	43,034	39,676	45,420	41,191	1988.....	0	0	0	0
1989.....	39,105	32,419	37,090	33,113	1989.....	0	0	0	0
One Sucker, type 35:					Perique, type 72:				
1985.....	28,817	35,858	33,664	31,275	1985.....	167	200	183	175
1986.....	32,961	36,563	33,475	32,115	1986.....	145	208	182	257
1987.....	33,309	33,664	31,468	30,576	1987.....	156	198	137	128
1988.....	30,393	30,845	28,976	25,345	1988.....	96	105	105	93
1989.....	22,777	25,267	23,921	21,850	1989.....	102	152	45	109
Green River, type 36:					Other miscellaneous domestic, type 73:				
1985.....	14,829	18,683	18,028	16,540	1985.....	6,007	3,387	4,159	3,846
1986.....	17,641	20,928	20,356	18,811	1986.....	2,042	2,169	5,456	5,546
1987.....	20,462	20,202	19,018	18,119	1987.....	9,452	9,039	9,292	10,241
1988.....	17,769	17,790	16,942	15,632	1988.....	11,701	10,670	10,013	10,438
1989.....	18,142	19,583	18,377	17,196	1989.....	8,490	5,912	4,188	3,073
Virginia sun-cured, type 37:					Foreign-grown cigar-leaf, types 81-89:				
1985.....	1,402	1,619	1,494	1,418	1985.....	90,659	85,020	81,999	85,916
1986.....	1,207	1,357	987	933	1986.....	88,993	86,158	80,678	86,133
1987.....	1,049	1,181	1,129	955	1987.....	76,444	72,129	65,243	66,697
1988.....	963	941	979	829	1988.....	62,220	61,674	67,172	61,278
1989.....	878	902	813	527	1989.....	59,682	58,953	64,672	61,729
Pennsylvania seedleaf, type 41:					Foreign-grown cigarette and smoking, types 91-93:				
1985.....	38,044	49,974	47,138	42,460	1985.....	1,009,790	966,680	996,156	969,122
1986.....	38,430	48,533	45,547	41,721	1986.....	923,908	941,988	969,550	921,676
1987.....	36,646	39,623	37,314	32,096	1987.....	907,523	956,058	939,598	870,364
1988.....	29,915	33,890	27,825	25,060	1988.....	857,776	819,046	781,172	741,423
1989.....	22,843	28,415	26,570	24,348	1989.....	757,409	725,886	749,217	707,228
Miami Valley (Ohio) filler, types 42-44:									
1985.....	4,850	6,503	6,520	6,181					
1986.....	6,045	6,483	6,366	7,073					
1987.....	6,872	7,162	6,923	6,321					
1988.....	6,022	5,751	5,761	5,804					
1989.....	5,092	5,963	6,064	4,071					

¹ Stocks shown have been converted to a farm-sales-weight basis—the equivalent of weight at the time of sale by grower—thereby making these data of leaf-tobacco stocks comparable with data of leaf-tobacco production. ² Stocks on the island of Puerto Rico are included.

Agricultural Marketing Service.

Table 132.—Tobacco products: Cigars, cigarettes, chewing and smoking tobacco, and snuff, manufactured in the United States, 1980–89

Year	Cigars		Cigarettes		Chewing tobacco				Smoking tobacco	Snuff	Total chewing, smoking, and snuff
	Large, weighing more than 3 pounds per 1,000 ¹	Small, weighing not more than 3 pounds per 1,000	Large, weighing more than 3 pounds per 1,000	Small, weighing not more than 3 pounds per 1,000 ²	Plug	Twist	Fine-cut	Loose-leaf			
1980 ³	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
	3,454	1,440	1.3	714,307	17,345	1,878	14,747	72,071	32,184	24,296	162,521

¹ Cigars produced in bonded manufacturing warehouses are included. ² "King size" cigarettes included in this category. ³ Last year of series presented in this format. New series began in 1981. See table below.

Manufactured

Year	Cigars		Cigarettes		Chewing tobacco			Smoking tobacco			Snuff	Total chewing, smoking, and snuff
	Large	Small	Large ¹	Small	Plug	Twist	Loose-leaf	Pipe	Granulated	Cigarette cut		
	Millions	Millions	Millions	Millions	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1981.....	3,428.0	1,395.2	0.9	697,548.7	17,828	1,820	70,291	26,998	324	3,090	42,457	162,808
1982.....	3,168.8	1,203.5	2.5	694,190.8	15,671	1,748	72,973	25,314	348	2,680	43,750	162,304
1983.....	3,134.8	1,402.9	.8	666,907.9	14,096	1,690	71,028	23,654	378	3,965	46,676	161,487
1984.....	3,129.8	1,255.6	2.9	668,229.5	12,627	1,653	74,407	20,809	310	3,427	49,403	162,636
1985.....	2,825.7	1,244.5	.4	665,172.4	11,338	1,520	74,047	18,425	400	3,225	48,742	157,727
1986.....	2,927.6	487.3	.4	656,828.2	10,408	1,414	69,610	16,025	254	3,065	47,469	148,245
1987.....	2,133.4	1,141.2	1.0	689,174.1	10,000	1,434	67,270	14,159	69	3,772	47,185	143,889
1988.....	1,979.6	1,176.3	2.18	694,515.4	8,919	1,381	65,506	12,731	94	3,835	48,637	141,403
1989 ²	1,980.2	1,161.6	1.78	677,199.6	8,341	1,258	64,906	12,675	126	4,155	49,687	141,148

Taxable removals and domestic invoices³

1981.....	3,744.8	1,364.5	.8	636,134.8	17,867	1,861	70,519	26,774	321	2,941	41,974	162,257
1982.....	3,556.1	1,304.2	.8	614,018.6	15,322	1,767	70,886	24,527	346	3,022	43,870	159,740
1983.....	3,459.7	1,334.3	1.0	597,468.3	13,935	1,709	70,923	22,975	362	3,639	45,689	159,232
1984.....	3,332.8	1,234.1	.7	597,896.6	12,627	1,632	72,974	20,567	328	3,422	47,672	161,222
1985.....	3,017.1	1,217.8	.3	594,935.8	11,861	1,516	71,732	18,091	384	3,272	48,630	155,486
1986.....	2,904.5	966.6	.2	583,018.9	10,215	1,432	67,147	15,623	256	3,310	46,688	144,671
1987.....	2,673.5	1,153.4	.5	577,007.2	9,763	1,450	65,181	13,756	131	3,807	45,093	139,181
1988.....	2,428.3	1,160.4	.32	543,378.6	8,517	1,342	64,832	12,506	111	3,760	47,809	138,877
1989 ²	2,364.7	1,146.8	.36	540,068.3	8,119	1,290	63,517	12,052	122	3,948	49,131	138,179

Tax-free removals and exports

1981.....	160.2	13.5	0	91,953.6	131	0	50	788	0	3	117	1,089
1982.....	158.2	22.3	(*)	82,117.9	131	0	64	699	0	2	1,008	1,904
1983.....	140.0	16.8	0	69,680.1	132	0	74	610	0	2	951	1,769
1984.....	120.5	13.9	0	66,499.9	102	0	80	433	0	1	1,176	1,792
1985.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1986.....	101.3	4.9	0	74,302.8	90	0	97	1,205	0	0	997	2,389
1987.....	82.8	2.4	0	111,198.0	266	0	149	541	0	0	774	1,730
1988.....	78.0	3.2	0	132,952.4	185	0	76	566	0	0	917	1,744
1989 ²	76.1	1.9	0	147,494.8	181	0	77	589	0	0	797	1,644

¹ Weighing more than three pounds per thousand. ² Preliminary. ³ Includes cigars and cigarettes imported or brought into the United States and Puerto Rico. ⁴ Less than 50,000.

Agricultural Marketing Service.

Table 133.—Tobacco products: Consumption, total and per capita (18 years of age and over) in the United States, 1975-89 ¹

Year	Cigarettes			Large cigars ²			Smoking, chewing, and snuff ³		All tobacco products ³	
	Total	Per capita	Number	Total	Per capita	Number	Total	Per capita	Total	Per capita
	Billions	Million pounds	Number	Billions	Million pounds ⁴	Number	Million pounds	Pounds	Million pounds	Pounds
1975.....	607	1,138	4,123	5.8	93	39	106	0.72	1,346	9.14
1976.....	614	1,102	4,092	5.4	86	36	109	.73	1,291	8.61
1977.....	617	1,101	4,051	5.0	82	33	107	.70	1,296	8.49
1978.....	616	1,086	3,967	4.7	78	30	107	.69	1,258	8.10
1979.....	622	1,145	3,861	4.3	71	27	109	.68	1,330	8.26
1980.....	632	1,113	3,849	4.0	66	24	111	.68	1,295	7.90
1981.....	640	1,089	3,836	3.9	64	23	112	.67	1,266	7.59
1982.....	634	1,094	3,739	3.7	60	22	110	.65	1,265	7.46
1983.....	600	1,065	3,488	3.6	59	21	110	.64	1,237	7.19
1984.....	600	1,025	3,446	3.5	57	20	108	.63	1,193	6.85
1985.....	594	1,042	3,370	3.2	53	18	106	.61	1,201	6.81
1986.....	584	1,022	3,274	3.1	50	17	100	.56	1,170	6.56
1987.....	575	989	3,197	2.7	44	15	96	.53	1,133	6.30
1988.....	563	977	3,096	2.5	41	14	95	.52	1,109	6.10
1989 ⁵	533	933	2,888	2.5	41	14	94	.51	1,064	5.77

¹Includes consumption by overseas forces. ²Weighing over 3 pounds per 1,000. ³Unstemmed-processing weight equivalent. ⁴Includes weight of small cigars. ⁵Preliminary.

Economic Research Service. No adjustment made for quantities lost, destroyed, bartered, etc., under war and postwar conditions, but such adjustments probably would be small in relation to totals.

Table 134.—Cigarettes and cigars: Total output, domestic consumption, tax-exempt removals, and exports, United States, 1975-89

Year	Cigarettes				Cigars ³			
	Total output	Domestic consumption ¹	Tax-exempt removals ²		Total output ⁴	Domestic consumption ¹	Tax-exempt removals ²	
			Total	Exports			Total	Exports
	Billions	Billions	Billions	Billions	Millions	Millions	Millions	Millions
1975.....	651.2	596.4	62.3	49.9	5,743	5,804	125	92
1976.....	693.4	604.7	72.1	61.4	5,403	5,373	144	124
1977.....	665.9	606.8	78.1	66.8	5,031	4,988	134	117
1978.....	695.9	605.4	85.1	74.4	4,781	4,702	164	166
1979.....	704.4	607.8	93.2	79.7	4,443	4,304	179	177
1980.....	714.1	631.5	94.2	82.0	4,044	4,001	201	200
1981.....	736.5	640.0	92.0	82.6	3,962	3,893	160	181
1982.....	694.2	634.0	82.1	73.6	3,669	3,667	158	181
1983.....	667.0	600.0	69.7	60.7	3,564	3,605	140	130
1984.....	668.8	600.4	67.1	56.5	3,501	3,493	121	104
1985.....	665.3	594.0	66.5	58.9	3,127	3,197	95	101
1986.....	658.0	583.8	74.3	64.3	2,932	3,053	96	62
1987.....	689.4	575.0	111.3	100.2	2,133	2,728	86	145
1988.....	694.5	562.5	133.0	118.5	1,980	2,531	78	87
1989 ⁵	677.2	533.0	149.1	141.8	1,973	2,541	76	3

¹As indicated by taxable removals and imports, and estimated inventory changes. ²In addition to exports, tax-exempt removals include principally shipments to forces overseas, to United States possessions, and ships stores.

³Includes cigarillos but excludes small (approximately cigarette-size) cigars. ⁴Includes cigars shipped to mainland United States from Puerto Rico. ⁵Preliminary.

Economic Research Service. Compiled from annual and monthly reports of the Internal Revenue Service, U.S. Treasury Department, and the Commerce Department.

Table 135.—Tobacco: Price-support loan operations, United States, 1975-89 ¹

Year	Flue-cured, types 11-14			Burley, type 31		
	Support price per pound	Placed under loan		Support price per pound	Placed under loan	
		Quantity	Percentage of production		Quantity	Percentage of production
	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>
1975.....	93.2	259	18.2	96.1	51	7.5
1976.....	106.0	277	21.1	109.3	46	7.1
1977.....	113.8	196	17.4	117.3	56	9.2
1978.....	121.0	64	5.3	124.7	67	10.9
1979.....	129.3	72	7.4	133.3	7	1.4
1980.....	141.5	137	12.6	145.9	(²)	.....
1981.....	158.7	106	9.3	163.6	1	1
1982.....	169.9	259	26.0	175.1	269	34.8
1983.....	169.9	195	22.8	175.1	256	³ 48.7
1984.....	169.9	159	18.4	175.1	201	27.5
1985.....	169.9	132.2	16.7	148.8	82.7	14.8
1986.....	143.8	55.5	8.4	148.8	38.8	9.2
1987.....	143.5	24.8	3.6	148.8	90.0	21.1
1988.....	144.2	15.2	1.9	150.0	14.6	3.2
1989.....	146.8	28.4	3.4	153.2	.3	.1

¹ Support operations for minor kinds of tobacco not shown. Burley and flue-cured usually account for over 95 percent of tobacco loan placements. ² Less than 500,000 pounds. ³ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 136.—Tobacco, unmanufactured: United States imports for consumption, by country of origin, 1987-89

Classification and country of origin	1987	1988	1989 ¹	Classification and country of origin	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cigarette leaf:				Scrap:			
Brazil.....	141,773	120,883	98,146	Dominican Republic.....	892	621	716
Greece.....	53,671	43,527	56,605	Brazil.....	1,329	785	70
Yugoslavia.....	23,856	13,995	15,461	Italy.....	3,081	2,040	2,047
Canada.....	30,863	20,920	9,369	Turkey.....	5,032	4,842	1,777
Italy.....	9,422	4,238	8,717	Philippines.....	717	385	575
Turkey.....	179,767	161,568	187,730	Indonesia.....	2,455	2,046	491
Korea, Rep. of.....	16,558	18,897	5,366	Other countries.....	3,568	2,523	2,264
Bulgaria.....	19,970	18,757	19,076	Total.....	17,074	13,242	7,940
Thailand.....	16,947	11,296	13,156				
Other countries.....	87,151	110,414	114,560	Stems:			
Total.....	579,978	524,495	528,186	Canada.....	1,843	1,130	630
Cigar wrapper:				Dominican Republic.....	367	113	101
Honduras.....	123	213	189	Brazil.....	10,649	6,761	6,169
Nicaragua.....	1	2	0	Argentina.....	3,991	1,588	524
Cameroon.....	111	100	185	Philippines.....	761	713	180
Other countries.....	370	425	438	Other countries.....	6,010	6,312	2,738
Total.....	605	740	812	Total.....	23,621	16,617	10,342
				Grand total ²	621,278	555,094	547,280

¹ Preliminary. ² Includes unstemmed and stemmed cigar filler.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 137.—Tobacco, unmanufactured: International trade, 1986-88

Continent and country	1986 ¹		1987 ¹		1988 ¹	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North and Central America (incl. Caribbean):						
Canada.....	28,899	1,708	26,701	527	19,550	924
Costa Rica.....	0	0	15	17	0	18
Cuba.....	15,405	2,800	18,902	2,700	16,000	3,000
Dominican Republic.....	14,180	1,437	11,000	1,100	15,154	325
El Salvador.....	102	579	100	300	116	555
Guatemala.....	4,750	0	4,485	554	4,634	116
Haiti.....	0	1,200	0	700	0	1,000
Honduras.....	1,769	212	1,200	50	1,398	50
Jamaica.....	296	438	400	418	242	483
Mexico.....	11,435	1,214	8,050	1,500	15,588	3,679
Nicaragua.....	142	409	209	335	160	400
Panama.....	421	94	410	133	410	133
Trinidad-Tobago.....	3	935	0	842	0	717
United States (incl. Puerto Rico) ²	216,583	206,623	195,039	221,920	218,542	196,433
Total.....	293,985	216,649	266,511	231,096	291,794	207,833
South America:						
Argentina.....	22,363	154	23,487	27	27,292	103
Bolivia.....	0	157	0	227	0	250
Brazil.....	176,000	0	173,000	0	199,000	0
Chile.....	1,100	560	1,894	272	2,080	979
Colombia.....	13,492	4,500	8,944	3,064	9,493	1,152
Ecuador.....	629	1,000	423	1,000	279	1,000
Guyana.....	0	310	0	310	0	350
Paraguay.....	5,089	387	8,194	1,450	6,321	115
Peru.....	111	667	113	865	100	850
Surinam.....	0	498	0	410	0	450
Uruguay.....	98	2,800	23	2,700	468	2,749
Venezuela.....	100	0	276	0	700	0
Total.....	218,982	11,033	216,354	10,325	245,733	7,998
Europe:						
Belgium-Luxembourg.....	7,201	39,993	3,031	38,966	3,629	30,007
Denmark ³	1,552	17,914	2,003	17,945	1,844	16,781
France ⁴	10,285	42,594	9,979	35,399	12,788	33,131
Germany, Fed. Rep. of ^{3 5}	24,541	167,899	30,213	145,926	32,000	147,000
Greece.....	100,864	5,130	112,464	4,200	101,486	7,750
Ireland ⁶	150	6,300	0	6,300	0	5,800
Italy.....	91,355	39,189	106,358	61,303	109,987	51,123
Netherlands.....	15,233	86,323	13,727	89,277	9,251	80,536
United Kingdom.....	4,215	101,214	8,384	109,258	4,460	95,972
Total EC.....	255,396	506,556	286,159	508,574	275,445	468,100
Austria.....	246	11,630	127	11,566	868	10,092
Finland.....	0	7,124	0	7,451	0	7,509
Malta-Gozo.....	817	1,614	192	1,457	160	1,000
Norway.....	0	5,156	0	5,100	0	5,600
Portugal (incl. Azores).....	459	6,058	955	8,495	2,056	7,233
Spain.....	1,026	60,317	3,787	59,412	5,177	70,546
Sweden.....	0	9,855	17	9,036	0	11,519
Switzerland.....	5,230	19,443	6,619	21,665	6,927	24,252
Total Western Europe.....	7,778	121,197	11,697	130,176	15,188	137,751
Albania.....	6,000	0	4,000	0	14,000	0
Bulgaria.....	61,563	37,000	55,600	30,500	57,000	28,500
Czechoslovakia.....	0	20,000	500	18,000	17,000	500
Germany, Dem. Rep. of.....	514	19,900	400	19,960	433	19,903
Hungary.....	900	4,800	850	5,300	1,700	6,800
Poland.....	10,992	11,889	10,886	12,134	9,623	10,521
Romania.....	3,000	3,500	3,400	8,000	3,650	5,500
Yugoslavia.....	14,000	3,835	16,322	7,526	13,750	5,100
Total Eastern Europe.....	96,969	100,924	91,958	101,420	117,156	76,824
Total Europe.....	360,143	728,677	389,814	740,170	407,789	682,675
Soviet Union.....	4,378	67,061	1,370	53,823	1,300	48,703
Africa:						
Algeria.....	0	14,850	0	17,268	0	21,850
Angola.....	0	2,000	0	1,000	0	1,000
Benin (Dahomey).....	0	232	0	370	0	450

See footnotes at end of table.

Table 137.—Tobacco, unmanufactured: International trade, 1986-88—Continued

Continent and country	1986 ¹		1987 ¹		1988 ¹	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Africa—Continued						
Cameroon.....	1,092	5,000	912	3,307	1,400	3,000
Congo, Republic of.....	0	1,330	0	1,330	0	1,330
Egypt.....	0	37,896	0	44,280	0	61,843
Ghana.....	0	300	0	350	0	300
Ivory Coast.....	0	3,626	0	3,650	0	3,154
Kenya.....	451	14	470	7	707	130
Liberia.....	0	186	0	150	0	300
Libya.....	0	1,600	0	2,200	0	1,500
Madagascar.....	612	0	0	0	0	0
Malawi.....	57,563	0	63,090	0	60,097	0
Morocco.....	0	16,335	0	17,810	0	10,915
Mozambique.....	0	1,000	0	1,000	0	1,000
Nigeria.....	0	384	0	1,061	0	1,339
Senegal.....	0	2,100	0	3,647	0	4,000
Sierra Leone.....	0	500	0	500	0	525
South Africa.....	8,405	10,492	4,371	17,983	3,197	20,846
Tanzania.....	7,699	0	7,399	0	8,500	0
Tunisia.....	2,085	7,852	1,054	5,500	1,000	5,688
Uganda.....	1,000	0	1,000	0	1,000	0
Zaire.....	0	1,300	0	1,500	0	2,000
Zambia.....	824	0	5,600	0	1,600	0
Zimbabwe.....	90,023	0	99,298	0	100,123	0
Total.....	169,754	89,915	183,194	104,275	177,624	117,870
Asia:						
Bangladesh.....	575	57	302	649	505	995
Burma.....	0	0	0	30,000	0	40,000
China.....	17,287	16,507	18,986	26,077	21,515	37,379
Taiwan.....	986	12,882	1,784	7,568	17,294	11,449
Cyprus.....	70	1,467	49	990	17	969
Hong Kong.....	1,149	12,290	309	15,561	1,447	22,534
India.....	61,762	9	53,108	4	38,246	12
Indonesia.....	23,092	9,825	18,694	10,762	18,240	10,845
Iran ²	40	0	0	0	0	0
Iraq.....	0	61,000	0	11,000	0	18,000
Israel.....	25	6,900	0	6,400	0	4,800
Japan ³	12,000	66,300	18,960	75,985	2,500	68,300
Jordan.....	0	1,850	7	2,358	22	2,021
Cambodia.....	0	0	0	0	0	0
Korea, Dem. Peo. Rep. of.....	3,800	0	3,750	0	3,000	0
Korea, Rep. of.....	24,423	3,884	22,325	3,371	26,916	5,685
Kuwait.....	13	44	15	60	15	60
Laos.....	0	0	0	0	0	0
Lebanon.....	2,700	0	2,200	0	2,400	0
Malaysia.....	10	5,198	44	3,386	227	2,983
Pakistan.....	515	110	513	150	414	59
Philippines.....	19,051	12,679	15,185	10,293	15,136	19,638
Singapore.....	2,623	3,973	1,091	3,041	1,792	5,921
Sri Lanka.....	415	368	416	145	718	179
Syria.....	10	0	5	0	4	0
Thailand.....	33,038	9,288	26,953	3,374	30,945	5,724
Turkey.....	81,952	0	106,241	0	77,685	610
Yemen (Sanaa).....	0	5,500	0	6,200	0	5,000
Yemen (Aden).....	0	634	0	1,377	0	1,000
Total.....	285,580	175,765	290,937	218,751	259,038	264,163
Oceania:						
Australia.....	223	11,513	492	12,396	10	11,107
New Zealand.....	0	4,490	0	3,600	0	3,550
Total.....	223	16,003	492	15,996	10	14,657
World total.....	1,328,667	1,238,042	1,347,302	1,320,613	1,381,988	1,295,196

¹ Preliminary. ² Exports include re-exports of Foreign grown tobacco. General imports, including the category "Tobacco Manufactured or Not Manufactured, Not Specifically Provided For". ³ Imports are actual arrivals. ⁴ Actual arrivals. ⁵ Exports are actual shipments. ⁶ Purchases by manufacturers. ⁷ Fiscal Year (April-March).

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1987-89

Type and country of destination	1987	1988	1989 ¹	Type and country of destination	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Total unmanufactured: ²				Total	102,210	121,444	120,273
Canada.....	336	263	291	Pakistan.....	286	266	228
Panama.....	105	79	330	Philippines.....	1,456	1,337	789
Jamaica.....	154	255	153	Singapore.....	220	575	918
Dominican Republic.....	1,086	1,452	1,474	Thailand.....	2,632	3,049	3,601
Chile.....	1	0	357	Australia.....	2,762	2,876	2,123
Ecuador.....	111	0	0	New Zealand.....	617	620	508
Belgium and Luxembourg.....	3,716	4,401	5,582	Other countries.....	7,852	9,145	10,653
France.....	3,052	2,576	2,183				
Germany, Fed. Rep. of.....	31,434	39,533	34,221	Burley:			
Italy.....	10,159	14,676	7,771	Chile.....	0	0	0
Netherlands.....	14,568	18,578	19,619	Belgium and Luxembourg.....	1,053	996	1,289
Austria.....	638	774	549	France.....	278	420	341
Denmark.....	7,088	7,439	6,270	Germany, Fed. Rep. of.....	8,439	11,393	8,882
Finland.....	1,324	1,727	1,102	Italy.....	2,680	3,281	2,536
Ireland.....	542	911	607	Netherlands.....	3,494	4,341	6,726
Norway.....	1,499	1,700	1,662	Austria.....	17	18	18
Portugal.....	96	97	454	Denmark.....	1,310	1,799	1,255
Spain.....	5,240	6,019	7,869	Finland.....	137	329	200
Sweden.....	3,630	5,456	3,748	Norway.....	37	17	62
Switzerland.....	5,713	7,042	4,732	Sweden.....	815	1,019	259
United Kingdom.....	7,560	8,900	8,345	Switzerland.....	1,701	1,683	1,650
Libya.....	0	0	0	Syria.....	0	0	0
Egypt.....	5,060	7,120	196	Hong Kong.....	1,639	2,673	2,423
Canary Islands.....	0	0	0	Japan.....	14,472	10,004	11,523
Cameroon.....	63	76	2	Philippines.....	5,104	2,080	1,365
Ghana.....	30	6	32	Thailand.....	750	3,072	3,527
Nigeria.....	1,056	1,339	2,790	Other countries.....	3,191	6,721	5,377
Zaire.....	0	0	0				
Israel.....	822	798	433	Total	45,117	46,655	47,433
Taiwan.....	3,067	10,106	19,300				
Hong Kong.....	7,088	11,161	8,750	Dark-fired Kentucky-Tennessee:			
Korea, Rep. of.....	171	1,982	1,870	Belgium and Luxembourg.....	225	182	267
Japan.....	47,799	31,942	47,805	France.....	833	671	282
Malaysia.....	2,588	2,674	3,092	Germany, Fed. Rep. of.....	160	221	183
Philippines.....	6,700	3,522	2,162	Italy.....	285	290	217
Singapore.....	386	875	1,667	Netherlands.....	4,245	4,092	3,702
Thailand.....	3,383	6,121	7,128	Denmark.....	18	49	15
Syria.....	0	0	0	Ireland.....	0	0	0
Australia.....	3,853	4,064	2,807	Norway.....	0	26	0
New Zealand.....	794	749	661	Canary Islands.....	0	0	0
Other countries.....	14,226	14,128	19,019	Sweden.....	214	754	20
				Switzerland.....	37	118	68
Total	195,038	218,541	225,033	United Kingdom.....	0	0	0
				Egypt.....	171	269	196
Flue-cured:				Tunisia.....	0	70	0
Panama.....	70	54	60	Cameroon.....	24	12	0
Jamaica.....	115	88	0	Indonesia.....	644	52	52
Chile.....	0	0	75	Other countries.....	537	1,081	1,112
Ecuador.....	0	0	0				
Belgium and Luxembourg.....	1,377	2,322	3,069	Total	7,393	7,887	6,114
France.....	712	671	393				
Germany, Fed. Rep. of.....	15,681	21,746	17,647	Black Fat:			
Italy.....	4,752	8,487	3,813	Niger.....	0	0	0
Netherlands.....	5,544	8,590	6,637	Cameroon.....	0	0	0
Austria.....	579	737	421	Benin.....	440	28	106
Denmark.....	3,715	3,735	2,975	Nigeria.....	690	722	960
Finland.....	354	591	608	Togo.....	0	0	0
Ireland.....	441	805	564	Other countries.....	52	18	111
Norway.....	1,135	1,317	1,114				
Portugal.....	0	0	0	Total	1,182	768	1,183
Spain.....	22	708	1,416				
Sweden.....	1,405	1,878	1,317	Virginia fire and sun-cured:			
Switzerland.....	1,365	2,432	1,638	Germany, Fed. Rep. of.....	235	56	138
United Kingdom.....	5,730	6,643	5,859	Italy.....	747	0	48
Libya.....	0	0	0	Austria.....	9	14	22
Egypt.....	3,239	5,154	0	Denmark.....	0	0	0
Syria.....	0	0	0	Norway.....	207	322	374
Taiwan.....	3,054	9,909	17,474	Sweden.....	137	115	628
Hong Kong.....	4,302	6,544	5,466	Switzerland.....	18	33	49
Indonesia.....	335	735	392	United Kingdom.....	0	0	225
Japan.....	30,355	18,775	28,260	Netherlands.....	0	0	0
Malaysia.....	2,103	1,655	2,255	Other countries.....	649	296	44
				Total	2,002	836	1,528

See footnotes at end of table.

Table 138.—Tobacco, unmanufactured: United States exports (domestic), by country of destination, total and by types, 1987-89—Continued

Type and country of destination	1987	1988	1989 ¹	Type and country of destination	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Maryland:				Trimmings, stems, and scrap:			
Belgium and Luxembourg	141	65	196	Canada	130	117	121
Germany, Fed. Rep. of	552	183	384	Italy	1,282	2,619	984
Netherlands	152	149	259	Jamaica	0	0	0
Norway	5	6	0	Dominican Republic	54	33	0
Egypt	0	0	0	Surinam	0	0	0
Israel	56	115	130	Belgium and Luxembourg	807	520	701
Switzerland	1,032	461	680	France	872	769	358
Other countries	563	420	314	Germany, Fed. Rep. of	5,808	5,658	3,794
Total	2,501	1,399	1,729	Netherlands	1,130	1,376	1,016
Other unmanufactured, NSPF:				Austria	32	0	0
Canada	22	37	81	Denmark	1,998	1,851	2,018
Jamaica	38	98	153	Finland	781	639	148
Dominican Republic	308	454	365	Ireland	101	105	34
Chile	0	0	231	Norway	114	12	91
Sweden	0	0	95	Sweden	1,059	1,690	1,429
Finland	35	0	107	Switzerland	1,539	2,293	623
United Kingdom	1	2	1,022	United Kingdom	1,778	1,531	1,064
Netherlands	0	29	1,279	Ghana	2	0	0
France	351	5	810	Spain	4,998	4,969	238
Germany, Fed. Rep. of	533	272	3,194	Hong Kong	856	1,638	751
Spain	119	288	5,185	Japan	2,970	3,062	8,009
Czechoslovakia	250	130	0	Malaysia	307	855	182
Israel	0	159	0	Egypt	1,381	1,425	0
United Arab Emirates	0	20	1,053	Singapore	130	207	256
Thailand	0	0	0	Australia	859	855	560
Japan	2	101	12	New Zealand	143	122	113
Australia	7	8	15	Other countries	2,569	3,772	6,628
Nigeria	0	41	11	Total	31,700	36,118	29,118
Other countries	417	659	1,855				
Total	2,083	2,303	15,618				

¹ Preliminary. ² Includes Re-Exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

CHAPTER III

STATISTICS OF OILSEEDS, FATS, AND OILS

This chapter includes information on cottonseed, flaxseed, olive oil, peanuts, soybeans, margarine, and fats and oils. Most butter statistics are included in the chapter on dairy and poultry statistics. Lard data are mostly in the chapter on livestock.

Table 139.—Cottonseed: All cotton area and cottonseed production, farm disposition, marketing year average price per ton received by farmers, and value, United States, 1975-89

Year	Harvested area of all cotton	Cottonseed				
		Production	Total sales to oil mills	Other ¹	Marketing year average price	Value of production
	<i>1,000 acres</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	8,796.0	3,218.0	2,863.6	354.4	97.00	312,264
1976.....	10,913.5	4,122.0	3,768.1	353.9	103.00	425,411
1977.....	13,275.3	5,521.4	4,892.1	689.3	70.30	388,085
1978.....	12,400.0	4,269.2	3,878.0	391.2	114.00	485,609
1979.....	12,830.9	5,778.3	4,779.2	999.1	121.00	697,617
1980.....	13,214.8	4,470.5	3,957.2	513.3	129.00	574,511
1981.....	13,841.2	6,396.9	5,101.5	1,295.4	86.00	549,041
1982.....	9,733.9	4,743.9	3,581.1	1,162.8	77.00	366,240
1983.....	7,347.5	3,075.7	2,460.5	615.2	166.00	511,450
1984.....	10,379.1	5,148.9	4,291.4	857.5	99.50	511,953
1985.....	10,229.0	5,279.2	3,755.7	1,523.5	66.00	347,640
1986.....	8,468.4	3,800.9	2,990.5	810.4	80.00	303,965
1987.....	10,030.3	5,769.2	4,590.1	1,179.1	82.50	474,703
1988.....	11,948.2	6,061.8	4,828.6	1,233.2	118.00	718,255
1989 ²	9,537.7	4,676.9	3,364.9	1,312.0	105.00	492,980

¹ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses. ² Preliminary.
National Agricultural Statistics Service.

Table 140.—Cottonseed: Production, farm disposition, and marketing year average price per ton received by farmers, by States, 1987-89

State	Production			Total sales to oil mills			Other ²			Price per ton for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	150.0	136.0	140.0	77.0	94.0	52.0	73.0	42.0	88.0	78.50	105.00	96.00
AZ.....	390.0	433.0	423.0	257.0	259.0	246.0	133.0	174.0	177.0	95.50	129.00	111.00
AR.....	338.0	404.0	335.0	331.0	353.0	282.0	7.0	51.0	53.0	71.00	102.00	97.50
CA.....	1,151.8	1,116.3	1,039.5	722.5	706.8	501.5	429.3	409.5	538.0	89.50	147.00	94.00
FL.....	14.4	12.0	10.4	14.1	11.8	9.9	.3	.2	.5	80.00	105.00	90.00
GA.....	122.0	129.0	123.0	51.0	71.0	40.0	71.0	58.0	83.0	85.00	131.00	105.00
KS.....	.4	.3	.1	.3	.2	.1	.1	.1	.0	77.00	108.00	124.00
LA.....	378.0	363.0	319.0	359.0	333.0	244.0	19.0	30.0	75.0	76.50	113.00	110.00
MS.....	678.0	712.0	601.0	622.0	676.0	580.0	56.0	36.0	21.0	75.50	104.00	99.00
MO.....	130.0	124.00	104.0	114.0	117.0	98.0	16.0	7.0	6.0	71.00	110.00	95.00
NM.....	42.3	49.0	39.0	14.5	16.0	22.0	27.8	33.0	17.0	97.00	125.00	128.00
NC.....	33.0	48.0	49.0	16.0	32.0	22.0	17.0	16.0	27.0	76.00	122.00	100.00
OK.....	155.0	117.0	74.0	148.0	38.0	68.0	7.0	29.0	6.0	77.00	108.00	124.00
SC.....	36.0	49.0	54.0	20.0	37.0	33.0	16.0	12.0	21.0	85.00	126.00	101.00
TN.....	235.0	237.0	176.0	229.0	232.0	163.0	6.0	5.0	13.0	77.00	111.00	101.00
TX.....	1,914.8	2,131.0	1,189.0	1,614.5	1,801.0	1,003.0	300.3	330.0	186.0	82.50	112.00	119.00
VA.....	.5	1.2	.9	.2	.8	.4	.3	.4	.5	76.00	122.00	100.00
US.....	5,769.2	6,061.8	4,676.9	4,590.1	4,828.6	3,364.9	1,179.1	1,233.2	1,312.0	82.50	118.00	105.00

¹ Preliminary. ² Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.
National Agricultural Statistics Service.

Table 141.—Cottonseed: Crashings, output of products and product prices, United States, 1975-88

Year beginning August	Quantity crushed	Cottonseed products and prices				Year beginning August	Quantity crushed	Cottonseed products and prices			
		Crude oil		Cake and meal				Crude oil		Cake and meal	
		Quantity	Price ¹	Quantity	Price ²			Quantity	Price ¹	Quantity	Price ²
	1,000 tons	Mil- lion pounds	Cents per pound	1,000 tons	Dollars per ton		1,000 tons	Mil- lion pounds	Cents per pound	1,000 tons	Dollars per ton
1975.....	2,952	918	23.5	1,238	145.00	1982.....	3,800	1,134	21.8	1,588	176.65
1976.....	3,499	1,198	24.8	1,643	173.65	1983.....	2,583	777	32.8	1,134	190.20
1977.....	4,313	1,453	25.4	2,083	139.70	1984.....	3,514	1,174	29.2	1,732	99.40
1978.....	4,127	1,282	31.6	1,885	164.80	1985.....	3,417	1,070	17.6	1,526	134.30
1979.....	4,230	1,423	25.3	2,049	164.13	1986.....	2,520	781	17.7	1,112	148.55
1980.....	4,076	1,191	25.9	1,790	197.06	1987.....	3,396	1,204	22.0	1,647	178.50
1981.....	4,575	1,551	20.1	2,190	156.15	1988.....	3,730	1,243	20.0	1,689	185.00

¹ Tanks, f.o.b. Valley Points. ² 41 percent protein, solvent, Memphis.

Economic Research Service. Compiled from annual reports of the U.S. Department of Commerce.

Table 142.—Cottonseed: Quality of cottonseed and number of samples graded, United States, 1976-89 ¹

Year beginning August	Cottonseed quality analysis ²					Quantity ³	Quality ⁴	Average grade ⁵	Samples graded ⁶
	Oil	Ammonia	Moisture	Free fatty acids	Foreign matter				
	Percent	Percent	Percent	Percent	Percent	Index	Index		Number
1976.....	17.7	3.88	10.6	0.7	1.8	98.93	98.4	97.5	52,048
1977.....	17.5	3.99	10.8	1.8	1.4	98.85	95.6	94.5	61,466
1978.....	17.4	4.08	10.5	.9	1.5	98.97	98.5	98.0	50,418
1979.....	17.6	3.92	10.3	1.0	1.7	98.92	97.7	97.0	56,792
1980.....	16.9	4.08	10.4	.9	1.7	97.17	98.0	95.5	38,224
1981.....	17.2	3.97	10.1	.8	2.0	97.69	98.1	96.0	50,636
1982.....	17.5	3.89	10.9	1.1	1.4	98.22	98.0	96.5	33,612
1983.....	17.0	4.02	11.0	.7	1.6	97.12	98.4	96.0	24,549
1984.....	17.0	3.94	11.4	2.1	1.7	96.63	93.8	90.5	39,970
1985.....	17.3	3.94	10.8	1.4	1.4	97.72	96.4	94.6	35,586
1986.....	17.3	3.96	11.1	1.2	1.8	98.04	97.1	95.3	25,414
1987.....	18.3	4.06	9.4	.6	1.6	101.09	98.9	100.2	33,210
1988.....	17.9	4.02	10.2	.9	1.3	99.96	98.6	98.9	36,235
1989.....	18.0	3.96	9.9	.7	1.5	100.51	98.9	99.6	24,301

¹ U.S. averages not fully representative of entire crop because of relatively small volume of seed graded in some areas. ² These basic factors are combined to form indexes of quantity and quality which in turn are used to determine the official grade of cottonseed in accordance with the United States Official Standards for Grades.³ The quantity index measures the oil and cake or meal in the cottonseed, taking into account variations in the quantity of oil, and ammonia. ⁴ The quality index measures the deterioration in oil and meal and takes into account the excesses of moisture and foreign matter and free fatty acids. ⁵ The average grade is the product of the quantity index times the quality index. The base grade is 100.0. ⁶ Samples graded by licensed chemists under the supervision of the U.S. Department of Agriculture.

Agricultural Marketing Service.

Table 143.—Cottonseed oil and cottonseed cake and meal: United States exports by country of destination 1986/87–1988/89 (Marketing year October–September)

Continent and country of destination	Cottonseed oil ¹			Cottonseed cake and meal		
	1986/87	1987/88	1988/89 ²	1986/87	1987/88	1988/89 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North and Central America; incl. Caribbean:						
Canada.....	2,939	4,568	5,567	932	1,080	399
Costa Rica.....	5	0	0	0	2,517	0
Dominican Republic.....	1,889	6,271	6	20	78	0
El Salvador.....	10,915	30,995	22,635	0	0	0
Guatemala.....	2,178	1,212	5,501	0	0	0
Mexico.....	3,063	7,282	2,844	2,546	33,659	13,178
Netherlands Antilles.....	2	0	107	0	0	0
Panama.....	0	0	56	0	0	0
Other countries.....	1,079	663	1,376	0	0	0
Total ³.....	22,070	50,991	38,086	3,498	37,334	13,577
South America:						
Colombia.....	0	0	0	0	0	0
Ecuador.....	1	5	1	0	0	0
Peru.....	38	21	6	0	0	0
Venezuela.....	44,590	51,331	54,985	0	0	0
Other countries.....	0	0	0	0	0	66
Total ³.....	44,629	51,357	54,992	0	0	66
Europe:						
Austria.....	0	0	0	0	0	1,839
Belgium and Luxembourg.....	0	6	0	0	0	0
Denmark.....	22	1	11	0	0	109
France.....	66	0	0	0	0	34
Germany, Fed. Rep. of.....	87	81	52	0	0	60
Ireland.....	2	0	20	0	0	18
Netherlands.....	4,950	1,578	4,249	11,843	3,299	283
Switzerland.....	7	9	3	0	0	0
United Kingdom.....	0	19	12	0	0	10
Other countries.....	1,044	1,248	1,500	0	0	3,254
Total ³.....	6,178	2,942	5,847	11,843	3,299	5,607
Africa:						
Egypt.....	0	31,480	32,873	0	0	0
Other countries.....	507	15,001	2,500	738	0	0
Total ³.....	507	46,481	35,373	738	0	0
Asia:						
Hong Kong.....	24	58	74	0	0	0
Israel.....	0	0	0	0	0	0
Japan.....	24,263	21,579	29,417	0	0	669
Korea, Rep. of.....	5,805	11,506	20,381	0	0	427
Pakistan.....	0	0	0	0	0	0
Philippines.....	1	0	3	0	0	18
Saudi Arabia.....	0	0	0	0	0	0
Other countries.....	5,830	396	20	102	0	60
Total ³.....	24,263	33,539	49,895	102	0	1,174
Oceania.....	69	26	221	0	0	29
Grand total ³.....	97,716	185,336	184,413	16,180	40,635	20,453

¹ Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census. ² Preliminary. ³ May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 144.—Cottonseed: Area, yield, and production in specified countries, 1987/88–1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America and Caribbean:									
Mexico	230	255	188	1.61	2.42	1.73	370	617	325
United States	4,059	4,835	3,860	1.29	1.14	1.10	5,234	5,499	4,243
Total	4,430	5,202	4,160				5,789	6,249	4,703
South America:									
Argentina	515	501	565	.91	.63	.80	467	318	450
Brazil	2,553	2,107	2,320	.61	.57	.56	1,550	1,195	1,290
Colombia	234	218	190	1.08	.97	1.06	253	212	201
Paraguay	420	440	540	.73	.76	.72	305	336	390
Peru	137	170	136	1.04	.80	.81	143	136	110
Total ⁴	3,938	3,526	3,855				2,776	2,269	2,526
Europe:									
Greece	211	252	288	1.42	1.59	1.52	300	400	437
Spain	79	135	68	1.58	1.33	1.32	125	180	90
Total	293	390	359				426	581	528
Soviet Union	3,527	3,432	3,333	1.27	1.46	1.41	4,485	5,000	4,700
Africa:									
Cameroon	95	112	95	1.09	1.26	1.05	104	141	100
Egypt	416	425	443	1.35	1.15	1.11	562	488	490
Mali	135	160	170	1.10	1.17	1.08	148	187	184
South Africa, Republic of	205	193	210	.65	.73	.67	134	140	140
Sudan	330	349	330	.94	.85	.86	310	297	283
Tanzania, United Republic of	460	415	280	.34	.30	.30	158	125	85
Zimbabwe	272	248	228	.78	.65	.60	211	162	137
Total ⁴	3,796	3,982	3,796				2,430	2,419	2,224
Asia:									
China (Mainland)	4,844	5,534	5,203	1.49	1.27	1.24	7,217	7,053	6,440
India	6,459	7,297	7,600	.50	.49	.57	3,202	3,563	4,355
Iran	196	192	222	.82	.88	.73	161	168	161
Israel	40	48	28	2.43	2.17	2.89	97	104	81
Pakistan	2,568	2,508	2,598	1.14	1.14	1.12	2,935	2,851	2,910
Syria	129	171	158	1.47	1.75	1.63	190	300	257
Turkey	587	707	725	1.47	1.41	1.24	860	1,000	900
Total ⁴	15,282	16,933	17,022				14,935	15,332	15,359
Australia	247	186	225	1.80	2.41	1.89	445	449	425
World total ⁴	31,556	33,694	32,793				31,311	32,324	30,490

¹ Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. ² Harvested area as far as possible. ³ Preliminary. ⁴ Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 145.—Flaxseed: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area planted	Area harvested	Yield per harvested acre	Production	Used on farms where produced	Sold	Market- ing year average price per bushel received by farmers ²	Value of production ¹
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	Dollars	1,000 dollars
1975	1,621	1,511	10.3	15,553	532	15,021	6.57	102,132
1976	1,045	955	7.9	7,580	633	6,947	7.08	53,754
1977	1,330	1,239	11.5	14,280	639	13,641	4.54	64,865
1978	710	687	12.5	8,614	476	8,138	5.74	49,435
1979	922	878	13.7	12,014	551	11,463	6.01	71,627
1980	759	663	11.7	7,728	(²)	(²)	7.21	55,615
1981	605	577	12.6	7,289	(²)	(²)	6.67	49,008
1982	780	735	14.0	10,278	(²)	(²)	5.17	53,341
1983	605	580	11.9	6,903	(²)	(²)	6.84	46,925
1984	555	538	13.1	7,022	(²)	(²)	6.09	42,739
1985	620	584	14.2	8,293	(²)	(²)	5.05	41,912
1986	720	683	16.9	11,538	(²)	(²)	3.47	39,962
1987	470	463	16.1	7,444	(²)	(²)	3.39	25,188
1988	275	226	7.1	1,615	(²)	(²)	7.56	12,200
1989 ¹	210	177	7.7	1,355	(²)	(²)	7.05	9,583

¹ Preliminary. ² Series discontinued.
National Agricultural Statistics Service.

Table 146.—Flaxseed: Supply and disappearance, United States, 1975-88

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crush- ings ¹	Total domestic disappear- ance ²
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975	3,031	15,553	148	18,732	1,054	953	11,791	12,889
1976	4,890	7,580	2,168	14,638	1,043	196	10,677	11,481
1977	2,961	14,280	859	18,100	557	1,001	11,615	11,784
1978	5,315	8,614	1,557	15,486	724	91	13,009	12,811
1979	2,584	12,014	1,916	16,514	650	174	12,425	11,322
1980	5,018	7,728	2,510	15,256	547	76	11,927	12,447
1981	2,733	7,789	3,502	13,524	691	11	11,231	11,563
1982	1,950	10,278	1,921	14,149	486	638	8,722	10,299
1983	3,212	6,903	4,756	14,871	438	52	12,733	13,103
1984	1,716	7,022	3,796	12,534	511	238	9,985	10,647
1985	1,649	8,293	2,927	12,869	517	250	10,313	10,990
1986	1,629	11,538	2,229	15,396	362	1,448	10,000	10,647
1987	3,301	7,444	2,913	13,658	223	156	10,800	11,177
1988 ³	2,325	1,615	6,732	10,672	170	750	8,500	8,615

¹ From domestic and imported seed. ² Total supply minus exports and stocks June 1 of following year.

³ Preliminary.
Economic Research Service.

Table 147.—Flaxseed: Area, yield, and production, by States, 1987-89

State	Area planted			Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush- els	Bush- els	Bush- els	1,000 bush- els	1,000 bush- els	1,000 bush- els
MN	15	15	10	14	11	9	16.0	10.0	10.5	224	110	95
ND	400	220	170	395	185	140	16.5	7.0	7.0	6,518	1,295	980
SD	55	40	30	54	30	28	13.0	7.0	10.0	702	210	280
US	470	275	210	463	226	177	16.1	7.1	7.7	7,444	1,615	1,355

¹ Preliminary.
National Agricultural Statistics Service.

Table 148.—Flaxseed: ¹ Area, yield, and production in specified countries and the world, 1987/88–1989/90

Continent and country	Harvested area			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²	1987/88	1988/89	1989/90 ²
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:									
Canada.....	591	501	640	1.23	0.74	0.83	729	373	531
Mexico ³	3	3	3	1.00	1.00	1.00	3	3	3
United States.....	187	91	72	1.01	.45	.47	189	41	34
Total.....	781	595	715				921	417	568
South America:									
Argentina.....	655	535	600	.82	.86	.86	535	460	516
Uruguay.....	1	4	4	1.00	.75	.75	1	3	3
Total.....	656	539	604				536	463	519
Europe:									
Belgium-Luxembourg.....	10	11	12	.80	.73	.58	8	8	7
France ³	47	52	57	.47	.60	.56	22	31	32
Italy.....	1	1	1	1.00	1.00	1.00	1	1	1
Netherlands.....	4	5	8	1.25	1.20	1.25	5	6	10
United Kingdom.....	8	14	18	1.25	1.86	1.67	10	26	30
Total EC.....	70	83	96				46	72	80
Czechoslovakia.....	30	30	30	.50	.50	.50	15	15	15
Hungary.....	6	6	6	1.17	1.17	1.17	7	7	7
Poland.....	28	30	37	.39	.50	.46	11	15	17
Romania.....	75	70	75	.44	.43	.51	33	30	38
Total Eastern Europe.....	139	136	148				66	67	77
Total Europe.....	209	219	244				112	139	157
Soviet Union (Europe and Asia) ⁴	1,069	1,039	871	.21	.21	.26	228	220	227
Africa:									
Egypt.....	15	15	17	1	1	1	19	19	23
Asia:									
Bangladesh.....	75	66	71	.53	.55	.54	40	36	38
India.....	1,151	1,182	1,200	.34	.3	.33	393	349	400
Iran.....	3	3	3	1	1	1	3	3	3
Pakistan ⁵	10	10	10	.60	.60	.60	6	6	6
Turkey.....	8	8	8	.50	.50	.50	4	4	4
Total.....	1,247	1,269	1,292				446	398	451
Oceania:									
Australia ⁵	8	5	4	1.00	1.40	1.00	8	7	4
World total.....	3,985	3,681	3,747				2,270	1,663	1,949

¹ Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus the crop harvested in the Northern Hemisphere countries in 1986 was combined with the Southern Hemisphere harvest which began late in 1986 and ended early in 1987. ² Preliminary. ³ Area includes that harvested for seed and that portion of fiber area which is harvested for seed as well as fiber. Production includes seed from fiber flax. ⁴ Includes fiber flax area and seed production. ⁵ Flaxseed from area grown for seed only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 149.—Flaxseed: Marketing year average price and value of production, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
MN.....	3.43	7.43	6.85	768	817	651
ND.....	3.39	7.54	7.10	22,096	9,764	6,958
SD.....	3.31	7.71	7.05	2,324	1,619	1,974
US.....	3.39	7.56	7.05	25,188	12,200	9,583

¹ Preliminary.

National Agricultural Statistics Service.

Table 150.—Flaxseed: Price-support operations, United States, 1975-89

Year beginning July	Support price		Put under support ²		Acquired by CCC under support program ³	Owned by CCC June 30
	Per bushel	Percentage of parity ¹	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	(*)					
1976.....	(*)					
1977.....	(*)					
1978.....	4.50	48				
1979.....	4.50	43				
1980.....	4.50	39				
1981.....	(*)					
1982.....	(*)					
1983.....	(*)					
1984.....	(*)					
1985.....	(*)					
1986.....	(*)					
1987.....	(*)					
1988.....	(*)					
1989.....	(*)					

¹Percentage of the parity price as of the beginning of the marketing year. ²Includes loans made, purchase agreements entered into, and direct purchases. ³Acquisitions through loan cancellations and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year. ⁴Price support not authorized for 1975 to 1977 and from 1981 through 1989.

Agricultural Stabilization and Conservation Service.

Table 151.—Flaxseed and linseed oil and meal: Average price Minneapolis, 1975-88

Year ¹	Average price received by farmers	Minneapolis		Year ¹	Average price received by farmers	Minneapolis	
		Oil, per pound ²	Meal, per ton ³			Oil, per pound ²	Meal, per ton ³
	<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Cents</i>	<i>Dollars</i>
1975.....	6.91	32.3	126.25	1983.....	5.58	30.7	155.25
1976.....	6.51	28.2	162.24	1984.....	6.50	32.0	99.00
1977.....	5.78	24.6	137.91	1985.....	5.95	30.8	102.60
1978.....	4.46	24.7	143.20	1986.....	4.27	26.4	112.00
1979.....	6.34	30.1	155.80	1987.....	3.21	24.7	130.25
1980.....	6.46	30.0	162.80	1988.....	5.85	39.5	178.45
1981.....	7.10	30.5	156.00				
1982.....	6.02	25.2	143.40				

¹ Year beginning June 1. ² Raw oil in tank cars. ³ Bulk carlots, 34 percent protein.

Economic Research Service.

Table 152.—Flaxseed and products: Flaxseed crushed; production, imports, and exports of linseed oil, cake, and meal; and June 1 stocks of oil, United States, 1975-88

Year beginning June	Total flaxseed crushed	Linseed oil				Linseed cake and meal		
		Stocks June 1	Production	Imports for consumption	Exports	Production	Imports for consumption	Exports
	<i>1,000 bushels</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>
1975.....	11,791	49	230	(¹)	42	229	.....	141
1976.....	10,677	49	217	(¹)	14	202	(²)	89
1977.....	11,615	88	232	(¹)	25	218	4	111
1978.....	13,009	70	259	(¹)	54	244	3	135
1979.....	12,425	44	256	(¹)	38	233	2	161
1980.....	11,927	54	251	(¹)	51	225	2	129
1981.....	11,231	56	237	(¹)	54	220	2	152
1982.....	8,722	50	182	(¹)	21	170	2	79
1983.....	12,733	35	265	(¹)	51	249	2	125
1984.....	9,935	48	194	(¹)	15	179	3	60
1985.....	10,313	33	205	(¹)	15	184	3	75
1986.....	10,000	39	201	(¹)	6	185	5	63
1987.....	10,800	51	217	(¹)	10	198	2	59
1988 ⁴	8,500	41	170	(¹)	11	156	3	62

¹ Less than 500,000 pounds.² Less than 500 tons.³ Not included to avoid disclosure.⁴ Preliminary.

Economic Research Service.

Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1986/87-1988/89 ¹

Continent and country of destination	Flaxseed			Linseed oil ³			Linseed cake and meal		
	1986/87	1987/88	1988/89	1986/87	1987/88	1988/89	1986/87	1987/88	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:									
Canada.....	25	390	138	2,224	2,786	2,385	219	460	1,212
Costa Rica.....	47	0	0	2	0	16	0	0	0
Honduras.....	0	0	0	0	0	0	0	0	0
Mexico.....	4,214	2,752	1,757	141	676	3,097	0	0	0
Panama.....	0	13	0	4	4	0	0	0	0
Other countries.....	0	0	0	24	29	36	39	0	0
Total ⁴	4,286	3,155	1,895	2,393	3,495	5,534	258	460	1,212
South America:									
Brazil.....	0	0	0	0	54	0	0	0	0
Peru.....	0	0	0	5	0	0	0	0	0
Venezuela.....	0	0	0	121	29	7	0	0	0
Other countries.....	0	0	0	9	0	0	0	0	0
Total ⁴	0	0	0	135	83	7	0	0	0
Europe:									
Belgium and Luxembourg.....	15,463	0	0	0	0	0	0	0	0
Denmark.....	10	0	13	0	0	0	0	0	0
France.....	0	0	13	0	0	0	0	0	0
Germany, Fed. Rep. of.....	513	549	1,247	0	0	0	7,294	5,693	2,678
Italy.....	0	0	25	0	0	0	0	0	0
Netherlands.....	16,465	261	15,827	212	0	0	43,202	53,022	49,179
Spain.....	0	0	0	1	0	0	0	0	0
Sweden.....	0	0	0	0	0	5	0	0	0
Switzerland.....	11	0	0	0	0	0	0	0	0
United Kingdom.....	0	0	0	0	23	14	0	0	0
Other countries.....	33	0	901	0	0	0	0	0	0
Total ⁴	32,495	810	17,216	213	23	19	50,496	58,715	51,857
Soviet Union.....	0	0	0	0	0	0	0	0	0

See footnotes at end of table.

Table 153.—Flaxseed, linseed oil, and linseed cake and meal: United States exports by country of destination, crop years 1986/87–1988/89 ¹—Continued

Continent and country of destination	Flaxseed			Linseed oil ³			Linseed cake and meal		
	1986/87	1987/88	1988/89	1986/87	1987/88	1988/89	1986/87	1987/88	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Africa and Middle East	0	0	0	2	0	0	0	0	0
Asia:									
Japan	0	0	0	15	17	3	0	0	0
Korea, Rep. of	0	0	0	119	16	5	0	0	0
Philippines	0	0	0	0	0	17	0	0	0
Other countries	0	0	305	10	2	7	0	0	73
Total ⁴	0	0	305	144	35	32	0	0	73
Oceania:									
Australia	0	0	0	4	6	6	0	0	0
Other countries	0	0	0	7	0	7	0	0	0
Total ⁴	0	0	0	11	6	13	0	0	0
Grand total	36,782	3,966	19,415	2,897	3,642	5,606	50,753	59,176	53,142

¹ For flaxseed and linseed oil, year begins June 1; for linseed cake and meal, year begins Oct. 1. ² Preliminary.³ Crude and refined combined as such. ⁴ Total may not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 154.—Peanuts: Area, yield, production, disposition, marketing year average price per pound received by farmers, and value, United States, 1975–89

Crop of—	Area planted	Peanuts for nuts						
		Area harvested	Yield per acre	Production ¹	Used on farms where produced	Sold	Marketing year average	Value of production
					Fed and household use			
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975	1,531.9	1,500.0	2,564	3,846,722	² 26,668	3,820,054	19.6	754,491
1976	1,544.6	1,517.5	2,464	3,739,190	26,251	3,712,939	20.0	746,675
1977	1,540.6	1,512.4	2,456	3,715,055	25,231	3,689,824	21.0	780,869
1978	1,540.8	1,509.1	2,619	3,952,384	26,369	3,926,015	21.1	833,885
1979	1,545.9	1,519.7	2,611	3,968,485	26,297	3,942,188	20.6	819,276
1980	1,521.4	1,399.8	1,645	2,302,762	(³)	(³)	25.1	578,635
1981	1,514.0	1,488.7	2,675	3,981,850	(³)	(³)	26.9	1,069,526
1982	1,311.4	1,277.4	2,693	3,440,255	(³)	(³)	25.1	862,686
1983	1,411.0	1,373.5	2,399	3,295,530	(³)	(³)	24.7	814,579
1984	1,558.6	1,528.0	2,883	4,405,945	(³)	(³)	27.9	1,230,720
1985	1,490.4	1,467.4	2,810	4,122,787	(³)	(³)	24.4	1,003,412
1986	1,564.7	1,535.2	2,408	3,697,085	(³)	(³)	29.2	1,074,487
1987	1,587.4	1,547.4	2,337	3,616,010	(³)	(³)	28.0	1,021,870
1988	1,657.4	1,628.4	2,445	3,980,917	(³)	(³)	27.9	1,115,202
1989 ⁴	1,665.2	1,644.7	2,426	3,989,995	(³)	(³)	27.9	1,118,875

¹ Net weight basis; estimates comprised of quota and non-quota peanuts separately.³ Series discontinued.⁴ Preliminary.² Beginning 1974, not estimated

National Agricultural Statistics Service.

Table 155.—Peanuts, farmers' stock: Stocks, production, and quantity milled, United States, 1975-89

Year beginning August	Stocks Aug. 1 ¹	Production harvested for nuts ¹	Total supply	Milled ^{1 2}
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975.....	226,991	3,846,722	4,073,713	3,461,504
1976.....	250,005	3,739,190	3,989,195	3,455,100
1977.....	54,366	3,715,055	3,769,421	3,348,732
1978.....	28,651	3,952,384	3,981,035	3,423,965
1979.....	13,513	3,968,485	3,981,998	3,502,326
1980.....	63,442	2,302,762	2,366,204	1,887,992
1981.....	28,328	3,981,850	4,010,178	3,610,896
1982.....	84,948	3,440,255	3,525,203	3,248,166
1983.....	51,440	3,295,590	3,346,970	3,149,878
1984.....	8,758	4,405,745	4,414,503	4,155,496
1985.....	171,949	4,122,787	4,294,736	3,966,300
1986.....	48,381	3,697,085	3,745,466	3,621,444
1987.....	25,894	3,616,010	3,641,904	3,440,176
1988.....	4,622	3,980,917	3,985,539	3,621,062
1989.....	51,248	3,989,995	4,041,243	.....

¹ Net weight basis. ² Includes peanuts milled for seed.

National Agricultural Statistics Service.

Table 156.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1975-89

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 ¹	Production of crude	Imports	Exports ²	Stocks Aug. 1 ³	Production
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975.....	1,088,087	34,053	475,961	1,850	97,712	10,374	601,243
1976.....	833,158	136,926	362,611	32	45,878	5,863	466,544
1977.....	366,227	221,545	150,971	25	126,547	11,719	208,144
1978.....	395,951	46,029	164,284	46	40,488	10,933	217,988
1979.....	429,116	53,189	179,695	63	15,634	1,019	236,228
1980.....	335,528	44,076	137,848	82	47,522	8,830	187,204
1981.....	431,480	37,788	175,028	203	40,865	7,335	237,290
1982.....	256,436	57,889	106,962	3,713	5,181	9,705	141,546
1983.....	291,084	(*)	119,008	646	7,097	4,008	159,340
1984.....	470,264	32,425	187,283	2,174	29,383	13,962	264,658
1985.....	610,897	17,725	256,545	529	92,799	32,758	336,232
1986.....	386,388	61,865	152,423	2,429	6,418	17,939	214,526
1987.....	421,214	49,411	168,263	33,058	7,053	4,445	247,851
1988.....	612,200	23,769	250,498	1,870	11,312	12,095	348,662
1989.....	(*)	37,669	(*)	(*)	(*)	29,349	(*)

¹ Crude plus refined. ² Reported as edible peanut oil and crude peanut oil; in this tabulation added without converting. ³ Holding at producing mills only. * Not available.

National Agricultural Statistics Service, Economic Research Service, and Bureau of the Census.

Table 157.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 1975-89

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports ¹	Domestic disappearance	
						Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Pounds
1975.....	17,829	154,768	207	172,804	22,708	119,529	0.56
1976.....	30,567	150,764	432	181,763	24,765	138,841	.65
1977.....	18,157	198,076	413	216,646	64,284	126,724	.56
1978.....	25,638	233,497	413	259,548	94,612	116,737	.52
1979.....	48,199	183,831	424	232,454	64,810	137,053	.61
1980.....	30,591	104,053	3,597	138,241	33,071	90,789	.40
1981.....	14,381	231,580	6	245,967	77,998	122,743	.54
1982.....	45,226	232,998	844	279,068	51,321	155,948	.67
1983.....	71,799	124,507	298	196,604	39,509	133,773	.57
1984.....	23,322	256,014	79	279,418	72,907	139,121	.59
1985.....	67,389	213,928	1,493	282,812	83,747	152,349	.63
1986.....	46,716	208,244	328	255,288	75,687	139,404	.57
1987.....	39,902	194,002	880	234,784	76,345	111,522	.45
1988.....	46,029	240,619	650	287,298	105,746	132,289	.53
1989.....	49,262						

¹ Prior to 1983 includes shipments to Puerto Rico.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the Bureau of the Census.

Table 158.—Shelled peanuts (all grades): Supply, exports, and quantity crushed, United States, 1975-89

Year beginning August	Supply						Exports ¹	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock ²	Edible	Oil stock				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975.....	279,401	20,734	1,590,916	914,655	290	2,805,996	301,859	1,088,087
1976.....	315,667	83,174	1,757,043	729,842	66	2,885,792	562,474	833,158
1977.....	372,518	29,803	1,881,663	468,753	148	2,752,885	720,892	366,227
1978.....	358,984	37,366	1,943,628	435,972	139	2,776,089	783,236	395,951
1979.....	348,002	46,435	2,003,011	486,981	140	2,884,569	745,828	429,116
1980.....	371,658	29,491	993,306	286,868	300,710	1,982,033	353,683	335,528
1981.....	268,276	10,366	2,087,924	387,790	4,632	2,758,991	374,812	431,480
1982.....	450,449	20,574	1,887,011	283,141	1,323	2,642,498	473,416	256,436
1983.....	537,855	19,208	1,776,069	342,477	1,715	2,677,324	529,949	291,064
1984.....	402,449	33,063	2,414,852	422,026	2,167	3,274,557	592,333	470,264
1985.....	860,508	30,407	2,238,427	496,928	1,942	3,628,212	721,690	610,897
1986.....	559,256	4,734	2,123,054	299,651	1,598	2,988,293	441,954	386,388
1987.....	683,622	21,300	2,015,144	301,379	1,949	3,025,394	407,557	421,214
1988.....	565,779	22,647	2,095,351	406,626	2,094	3,092,497	437,867	612,200
1989.....	513,679	44,397						

¹ Prior to 1983 includes shipments to Puerto Rico. Includes all peanut export categories except peanuts not shelled or not roasted. ² Includes ungraded and straight run oil stock peanuts.

National Agricultural Statistics Service and Economic Research Service. Foreign trade from the U.S. Bureau of the Census.

Table 159.—Peanuts: Shelled (raw basis) by types, used in primary products and apparent disappearance of peanuts (cleaned in shell), United States, 1975–88

Type, and year beginning August	Shelled uses						Apparent disappear- ance (cleaned in shell) ²
	Peanut butter ¹	Peanut butter sand- wiches	Salted	Candy	Other	Total	
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Virginia:							
1975.....	62,244	3,068	147,933	52,335	2,746	268,326	.....
1976.....	46,167	4,566	98,992	49,876	2,222	201,823	.....
1977.....	49,517	3,994	88,773	44,260	2,164	188,708	.....
1978.....	48,824	4,655	91,426	48,424	2,531	195,860	.....
1979.....	47,462	7,353	83,755	27,899	2,493	168,962	.....
1980.....	26,142	2,487	50,095	18,903	1,137	98,764	.....
1981.....	33,862	2,600	84,608	15,701	1,371	138,142	.....
1982.....	74,427	2,358	114,593	21,130	2,678	215,186	.....
1983.....	41,915	2,176	101,980	15,402	1,795	163,268	.....
1984.....	44,612	2,123	96,181	31,276	2,048	176,237	.....
1985.....	52,855	1,939	113,577	32,900	5,286	206,557	.....
1986.....	55,555	5,850	171,679	27,591	20,090	280,765	.....
1987.....	35,492	7,349	120,084	40,251	13,811	216,987	.....
1988.....	68,738	6,698	112,101	37,145	16,448	241,130	.....
Runner:							
1975.....	447,182	15,204	94,633	124,423	9,742	691,184	.....
1976.....	455,900	17,192	102,603	121,193	11,874	708,762	.....
1977.....	492,439	23,020	144,309	126,101	13,735	799,604	.....
1978.....	546,001	22,528	158,262	158,258	13,949	888,998	.....
1979.....	600,920	22,303	155,469	183,612	14,607	976,911	.....
1980.....	529,923	21,289	127,430	177,098	15,327	871,067	.....
1981.....	596,231	19,534	162,967	199,351	12,356	990,439	.....
1982.....	578,488	19,109	157,546	223,338	13,137	991,618	.....
1983.....	596,617	21,738	164,389	237,075	12,429	1,032,248	.....
1984.....	626,305	23,440	175,404	209,765	15,962	1,050,877	.....
1985.....	605,696	22,261	207,503	240,198	16,192	1,091,850	.....
1986.....	575,509	27,611	169,715	261,630	18,694	1,053,159	.....
1987.....	623,457	37,722	220,511	249,673	21,485	1,152,848	.....
1988.....	720,099	21,098	237,008	259,680	18,367	1,256,252	.....
Spanish:							
1975.....	138,631	2,685	59,069	62,918	3,509	266,812	.....
1976.....	115,870	2,460	52,227	63,961	3,726	238,244	.....
1977.....	81,870	1,182	41,137	64,858	2,783	191,830	.....
1978.....	70,112	884	41,926	61,753	2,625	177,300	.....
1979.....	51,643	681	45,650	46,845	2,213	147,032	.....
1980.....	32,491	302	27,964	41,889	3,224	105,870	.....
1981.....	23,617	525	30,379	40,810	1,544	96,875	.....
1982.....	24,688	464	35,980	39,688	1,144	101,963	.....
1983.....	32,898	365	35,602	45,588	1,245	115,698	.....
1984.....	26,219	677	37,466	49,276	1,191	114,831	.....
1985.....	42,735	424	37,463	40,739	2,039	123,400	.....
1986.....	48,309	397	42,892	31,970	2,281	125,849	.....
1987.....	42,487	737	33,178	35,659	2,495	114,556	.....
1988.....	43,091	577	32,372	30,082	1,163	107,285	.....
All types:							
1975.....	648,057	20,957	301,635	239,676	15,997	1,226,322	142,029
1976.....	617,937	24,218	253,822	235,030	17,822	1,148,829	163,177
1977.....	623,826	28,196	274,219	235,219	18,682	1,180,142	190,593
1978.....	664,937	28,067	291,614	268,435	19,105	1,272,158	210,935
1979.....	700,025	30,337	284,874	258,356	19,313	1,292,905	201,441
1980.....	588,556	24,078	205,489	237,890	19,688	1,075,701	120,263
1981.....	653,710	22,659	277,954	255,862	15,271	1,225,456	200,735
1982.....	677,602	21,930	308,118	284,156	16,959	1,308,765	206,425
1983.....	671,430	24,279	301,971	298,065	15,469	1,311,214	172,984
1984.....	697,137	26,240	309,050	290,318	19,201	1,341,945	211,947
1985.....	701,289	24,623	358,542	313,836	23,515	1,421,805	234,601
1986.....	679,373	33,858	384,286	321,191	41,065	1,459,773	215,058
1987.....	701,436	45,808	373,773	325,583	37,791	1,484,391	187,875
1988.....	831,928	28,373	381,481	326,907	35,978	1,604,667	237,386

¹ Excludes peanut butter made by manufacturers for own use in candy and/or peanut butter sandwiches.

² Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year.
National Agricultural Statistics Service and Economic Research Service.

Table 160.—Peanuts: Area, yield, and production, by States, 1987-89

State	Area planted			Peanuts for nuts								
	1987	1988	1989 ¹	Area harvested			Yield per harvested acre			Production ²		
				1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
AL.....	221.0	237.0	240.0	220.0	236.0	239.0	2,115	2,380	2,250	465,300	561,680	537,750
FL.....	91.0	98.0	95.0	83.0	90.0	87.0	2,600	2,540	2,470	215,800	228,600	214,890
GA.....	635.0	690.0	690.0	630.0	685.0	685.0	2,500	2,630	2,700	1,575,000	1,801,550	1,849,500
NM.....	12.4	13.4	18.2	12.4	13.4	18.2	2,400	2,280	2,400	29,760	30,552	43,680
NC.....	150.0	155.0	153.0	148.0	153.0	152.0	2,650	2,745	2,435	392,200	419,985	370,120
OK.....	100.0	99.0	99.0	99.0	97.0	98.0	2,250	2,320	2,150	222,750	225,040	210,700
SC.....	13.0	13.0	13.0	13.0	13.0	12.5	2,400	2,470	2,600	31,200	32,110	32,500
TX.....	254.0	260.0	265.0	252.0	250.0	262.0	1,750	1,670	1,850	441,000	417,500	484,700
VA.....	91.0	92.0	92.0	90.0	91.0	91.0	2,700	2,900	2,705	243,000	263,900	246,155
US.....	1,567.4	1,657.4	1,665.2	1,547.4	1,628.4	1,644.7	2,337	2,445	2,426	3,616,010	3,980,917	3,989,995

¹ Preliminary. ² Net weight basis; estimates comprised of quota and non-quota peanuts.

National Agricultural Statistics Service.

Table 161.—Peanuts for nuts: Marketing year average price, and value of production, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per pound			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	Cents	Cents	Cents	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	29.0	29.5	28.5	134,937	165,696	153,259
FL.....	27.0	26.9	26.0	58,266	61,493	55,871
GA.....	25.8	28.0	27.4	453,600	504,434	506,763
NM.....	31.0	29.1	28.0	9,226	8,891	12,230
NC.....	28.6	28.2	29.2	112,169	118,436	108,075
OK.....	25.8	27.4	28.8	57,470	61,661	60,682
SC.....	30.7	29.9	33.0	9,578	9,601	10,725
TX.....	27.0	26.8	28.2	119,070	111,890	136,685
VA.....	27.8	27.7	30.3	67,554	73,100	74,585
US.....	28.0	27.9	27.9	1,021,870	1,115,202	1,118,875

¹ Preliminary.

National Agricultural Statistics Service.

Table 162.—Peanuts, farmers' stock: Average price per pound to growers, 1975-88 ¹

Crop year ²	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias	Crop year ²	Virginia type (Va.-N.C.)	South-eastern Runner	South-western Spanish	New Mexico Valencias
	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents
1975.....	18.7	19.3	18.2	22.5	1982.....	29.2	29.2	26.9	28.8
1976.....	19.9	20.1	19.0	24.5	1983.....	25.1	27.9	26.7	28.8
1977.....	21.5	22.1	20.8	24.5	1984.....	28.8	29.6	27.3	29.1
1978.....	21.9	21.9	20.4	22.1	1985.....	29.9	29.6	27.6	29.0
1979.....	21.1	22.4	20.4	21.3	1986.....	31.1	31.7	29.9	29.9
1980.....	21.6	22.7	20.8	23.4	1987.....	27.5	29.1	27.0	29.9
1981.....	22.7	23.1	22.6	24.1	1988.....	29.5	30.2	26.6	32.1

¹ Prices are based on average quality factors for each crop year as described in the price-support schedules and summaries of inspections as reported by the Federal-State Inspection Service. ² Crop year begins about Oct. 1 in the Virginia-North Carolina Section; in August, in the Southeastern and the Southwestern States.

Agricultural Marketing Service.

Table 163.—Peanuts, farmers' stock: Price-support operations, United States, 1975-89

Year beginning August	Quota support price		Additional support level (per pound)	Put under support ^{2 3}		Owned by CCC July 31 ³
	Per pound	Percentage of parity ¹		Quantity	Percentage of production	
	<i>Cents</i>	<i>Percent</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Million pounds</i>
1975.....	19.725	75	.....	1,136	29.5	958
1976.....	20.7	75	.....	854	22.8	0
1977 ⁴	21.525	75	.....	535	14.4	2
1978.....	21.0	(*)	12.5	515	12.9	.....
1979.....	21.0	(*)	15.0	709	17.9	.....
1980.....	22.75	(*)	12.5	337	14.6	.....
1981.....	22.75	(*)	12.5	539	20.9	2
1982.....	27.50	(*)	10.0	539	15.7	.....
1983.....	27.5	(*)	9.3	367	11.1	.....
1984.....	27.5	(*)	9.3	1,370	30.9	.....
1985.....	27.5	(*)	9.3	1,359	33.0	.....
1986.....	30.4	(*)	7.5	290	7.8	.....
1987.....	30.4	(*)	7.5	700	19.3	.....
1988.....	30.8	(*)	7.5	540	13.6	.....
1989.....	30.8	(*)	7.5	401	10.0	0

¹ Percentage of the parity price as of the beginning of the marketing year. ² Includes loans made and direct purchases. ³ Includes shelled peanuts converted to farmers' stock basis. ⁴ The 1977 legislation authorized a two-price poundage quota program with declining minimum quota levels for 1978-81 crops. The 1981 legislation suspended allotments and continued the declining poundage quotas and the two-price program for 1982-85 crops. The 1985 legislation continued the suspension of allotments and the two-price program, but sets the poundage quota at estimated domestic edible, seed and related uses for the 1986-90 crops. Quota peanuts are those peanuts grown within the farm poundage quota. Additional peanuts are those peanuts grown in excess of the quota. ⁵ Not applicable. For 1978-86, support level was not based on parity.

Agricultural Stabilization and Conservation Service.

Table 164.—Peanuts: Simple average of monthly f.o.b. price per pound of cleaned and shelled peanuts by approximate crop years, 1979-88 ¹

Classification	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Southeastern area:										
Georgia, Alabama, and Florida:										
Shelled:	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Runner Jumbo.....	37½	40	47½	47¾	58¾	44¾	55%	78½	63¾	60
Runner Medium.....	36¾	38¾	44¾	47%	56%	43	52½	74½	60½	56½
Runner U.S. Splits.....	35%	39	44%	47%	55%	41	49%	64%	52%	55%
Virginia-North Carolina:										
Clean unshelled Virginias:										
Fancy.....	36¾	38	41½	43%	63¼	34%	38¼	58	60%	46½
Shelled Virginias:										
Extra large.....	47¼	45½	49¼	49	71¾	47½	55%	81	83¾	63¾
Medium.....	39¾	41	47½	47¾	60	44½	53½	79½	65	58%
No. 2 with 70% splits.....	33¾	35%	37%	45%	49%	40¼	44%	55%	46	51%
Southwestern area:										
Texas and Oklahoma:										
Shelled:										
Spanish No. 1.....	38¾	42	54%	52¾	59%	55½	52%	76%	57%	59%
Spanish U.S. Splits.....	36¾	39	49½	48%	55½	44	47%	65%	51%	56½
New Mexico:										
Handpicked unshelled Valencias ²	36¾	37	44½	43%	52¾	39	39%	54%	n.a.	n.a.

¹ Crop year begins about Oct. 1 in the Virginia-North Carolina area; in August, in the Southeastern and the Southwestern States. Prices are for shipment within 6 months. ² No U.S. grade standards apply to Valencia peanuts. n.a. not available.

Agricultural Marketing Service.

Table 165.—Peanuts: ¹ Area and production in specified countries and the world, 1987-88/1989-90

Continent and country	Area ²			Yield per hectare			Production		
	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³	1987/ 88	1988/ 89	1989/ 90 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America and Caribbean:									
Mexico.....	90	85	85	1.22	1.21	1.19	110	103	101
United States.....	626	659	666	2.62	2.74	2.72	1,640	1,806	1,810
Total ⁴	737	762	760				1,769	1,930	1,922
South America:									
Argentina.....	192	150	180	2.34	1.62	2.06	450	243	370
Brazil.....	102	89	89	1.67	1.75	1.46	170	156	130
Total ⁴	354	318	350				695	470	593
Africa:									
Benin.....	80	85	85	.88	.88	.88	70	75	75
Burkina.....	230	250	230	.63	.72	.70	146	180	160
Burundi.....	55	55	55	1.27	1.27	1.27	70	70	70
Cameroon.....	320	320	320	.44	.45	.44	140	145	140
Central African Republic.....	135	135	130	1.04	1.11	1.08	140	150	140
Chad.....	115	120	115	.70	.75	.70	80	90	80
Gambia, The.....	95	95	90	1.26	1.32	1.33	120	125	120
Ghana.....	100	100	90	.70	.80	.78	70	80	70
Guinea.....	130	130	130	.65	.65	.65	85	85	85
Ivory Coast.....	136	142	145	.96	.96	.97	130	137	140
Mali.....	110	115	100	.91	1.00	.90	100	115	90
Niger.....	100	130	110	.45	.62	.55	45	80	60
Nigeria.....	800	700	700	.59	.50	.50	475	350	350
Senegal.....	846	903	790	1.10	.76	.93	932	690	738
South Africa, Republic of.....	153	185	185	1.33	1.24	1.24	204	230	230
Sudan.....	575	575	550	.76	.78	.73	435	450	400
Uganda.....	130	130	130	.92	.92	.91	120	120	118
Zaire.....	530	530	530	.72	.72	.72	380	380	380
Zimbabwe.....	211	208	193	.37	.44	.49	79	91	95
Total ⁴	5,520	5,558	5,261				4,211	4,034	3,919
Asia:									
Burma.....	537	585	600	.97	.97	.96	519	565	575
China (Mainland).....	3,022	2,914	2,946	2.04	1.95	1.82	6,170	5,693	5,360
India.....	6,844	8,430	8,400	.86	1.07	.92	5,854	9,000	7,700
Indonesia.....	550	608	612	1.43	1.38	1.43	786	840	875
Pakistan.....	67	68	80	.78	1.15	1.01	52	78	81
Taiwan.....	59	39	43	1.69	1.90	1.98	100	74	85
Thailand.....	118	118	116	1.37	1.39	1.40	162	164	162
Turkey.....	32	30	30	2.50	2.83	3.17	80	85	95
Vietnam.....	195	195	195	.90	.92	.92	175	180	180
Total ⁴	11,578	13,130	13,164				14,141	16,898	15,336
World total ⁴	18,224	19,744	19,458				20,863	23,243	21,633

¹ Peanuts in the shell. Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. ² Harvested area as far as possible. ³ Preliminary. ⁴ Includes countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 166.—Soybeans: Area, yield, production, disposition, and value, United States, 1975–89

Year	Area planted	Soybeans for beans						
		Area harvested	Yield per acre	Production	Used on farms where produced		Sold	Marketing year average price per bushel received by farmers ¹
					For seed	Fed to livestock		
	1,000 acres	1,000 acres	Bushels	1,000 bushels	1,000 bushels		1,000 bushels	1,000 dollars
1975.....	54,590	53,617	28.9	1,548,344	² 21,679		1,526,665	4.92
1976.....	50,269	49,401	26.1	1,288,608	23,894		1,264,714	6.81
1977.....	58,978	57,830	30.6	1,767,267	25,432		1,741,835	5.88
1978.....	64,708	63,663	29.4	1,868,754	25,657		1,843,097	6.66
1979.....	71,411	70,343	32.1	2,260,665	(³)		(³)	6.29
1980.....	69,930	67,813	26.5	1,797,543	(³)		(³)	7.60
1981.....	67,543	66,163	30.1	1,989,110	(³)		(³)	6.07
1982.....	70,884	69,442	31.5	2,190,297	(³)		(³)	5.71
1983.....	63,779	62,525	26.2	1,635,772	(³)		(³)	7.83
1984.....	67,755	66,113	28.1	1,860,863	(³)		(³)	5.84
1985.....	63,145	61,599	34.1	2,099,056	(³)		(³)	5.05
1986.....	60,405	58,312	33.3	1,940,101	(³)		(³)	4.78
1987.....	58,180	57,172	33.9	1,937,722	(³)		(³)	5.88
1988.....	58,840	57,373	27.0	1,548,841	(³)		(³)	7.42
1989 ⁴	60,670	59,388	32.4	1,926,806	(³)		(³)	5.55

¹ Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable, prior to 1979. ² Beginning 1974, not estimated separately. ³ Series discontinued. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 167.—Soybeans: Stocks on and off farms, United States, 1975–90

Year	On farms				Off farms ³			
	Jan. 1	Apr. 1	June 1 ¹	Sept. 1 ²	Jan. 1	Apr. 1	June 1 ¹	Sept. 1 ²
	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1975.....	484,978	332,096	165,597	78,229	505,392	323,317	191,704	109,922
1976.....	590,926	411,535	254,029	86,159	665,689	456,283	300,938	158,781
1977.....	474,405	227,794	92,400	32,756	559,045	390,214	243,335	70,168
1978.....	674,550	394,405	207,541	59,132	652,400	455,448	298,815	102,044
1979.....	699,556	408,930	241,255	61,509	695,034	467,646	284,850	114,079
1980.....	890,091	600,648	396,040	128,596	877,896	580,322	378,144	229,880
1981.....	732,384	527,222	363,317	153,571	792,792	493,892	317,603	159,436
1982.....	882,826	565,792	354,097	117,749	727,478	460,128	292,268	136,732
1983.....	1,008,139	643,134	424,658	118,574	754,560	504,529	365,966	226,060
1984.....	622,983	373,892	179,428	67,912	670,384	415,765	292,085	107,784
1985.....	766,335	487,369	326,596	143,221	655,724	408,632	281,821	172,836
Year	Mar. 1	June 1	Sept. 1 ²	Dec. 1	Mar. 1	June 1	Sept. 1 ²	Dec. 1
1986.....	n.a.	411,740	167,090	1,061,000	n.a.	437,186	369,275	895,637
1987.....	589,000	282,100	107,950	865,300	749,958	554,654	328,497	889,981
1988.....	553,100	304,900	105,050	650,000	594,620	351,382	197,426	716,812
1989.....	415,000	229,200	87,320	793,400	475,246	235,311	94,709	816,583
1990 ⁴	535,800	255,300	.....	.....	519,705	340,614	.....	.....

¹ Prior to 1976, estimates are for July 1. ² Old crop only. ³ Stocks at mills, elevators, warehouses, terminals, processors, and those owned by Commodity Credit Corporation which are in bins and other storages under CCC control. ⁴ Preliminary. n.a. not available.

National Agricultural Statistics Service.

Table 168.—Soybeans: Supply and disappearance, United States, 1975-89

Year beginning September	Supply				
	Stocks by position			Production	Total
	Farm	Terminal market, interior mill, elevator, and warehouse	Total		
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975	78,229	109,922	188,151	1,548,344	1,736,495
1976	86,159	158,781	244,940	1,288,608	1,533,548
1977	32,756	70,168	102,924	1,767,267	1,870,191
1978	59,132	102,044	161,176	1,868,754	2,029,930
1979	61,509	114,079	175,588	2,260,665	2,436,253
1980	128,596	229,880	358,476	1,797,543	2,156,019
1981	153,571	159,436	313,007	1,989,110	2,302,117
1982	117,749	136,732	254,481	2,190,297	2,444,778
1983	118,574	226,060	344,634	1,635,772	1,980,406
1984	67,912	107,784	175,696	1,860,863	2,036,559
1985	143,221	172,836	316,057	2,098,531	2,414,588
1986	167,090	369,275	536,365	1,940,101	2,476,466
1987	107,950	328,497	436,447	1,922,762	2,359,209
1988	105,050	197,426	302,476	1,548,841	⁵ 1,854,909
1989 ¹	87,320	94,709	182,029		

Year beginning September	Disappearance			
	Crushed ²	Feed and residual ³	Net exports ⁴	Total
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975	865,121	16,845	555,094	1,490,602
1976	790,204	10,308	564,071	1,429,562
1977	926,661	82,000	700,484	1,709,145
1978	1,017,820	99,000	739,154	1,855,974
1979	1,123,382	85,000	875,173	1,083,555
1980	1,020,493	89,000	724,295	1,833,788
1981	1,029,677	83,000	929,080	2,041,757
1982	1,107,997	86,989	905,158	2,100,144
1983	982,685	79,265	742,760	1,804,710
1984	1,030,474	91,854	598,174	1,720,502
1985	1,052,827	84,727	740,672	1,878,223
1986	1,178,769	104,336	756,914	2,040,019
1987	1,174,482	80,565	801,686	2,056,733
1988 ¹	1,057,650	88,729	526,501	1,672,880

¹ Preliminary. ² Reported by the U.S. Department of Commerce. ³ Seed, feed, and residual are combined, beginning 1977. ⁴ Imports negligible. ⁵ Includes 3,592 thousand bushels imports.
Economic Research Service.

Table 169.—Soybeans: Area, yield, and production, by States, 1987-89

State	Area planted			Soybeans for beans								
	1987	1988	1989 ¹	Area harvested			Yield per harvested acre			Production		
				1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bush-els	Bush-els	Bush-els	1,000 bushels	1,000 bushels	1,000 bushels
AL.....	600	590	600	580	570	570	18.0	25.0	21.0	10,440	14,250	11,970
AR.....	3,300	3,250	3,300	3,250	3,200	3,200	23.0	26.0	24.0	74,750	83,200	76,800
DE.....	240	230	255	235	225	250	18.0	27.0	29.0	4,230	6,075	7,250
FL.....	95	120	130	93	115	120	25.0	29.0	22.0	2,325	3,335	2,640
GA.....	830	930	1,150	780	900	1,100	21.0	25.0	26.0	16,380	22,500	28,600
IL.....	8,800	8,800	8,900	8,700	8,700	8,850	38.0	27.0	40.0	330,600	234,900	354,000
IN.....	4,400	4,300	4,600	4,350	4,200	4,550	40.0	27.5	37.0	174,000	115,500	168,350
IA.....	7,950	8,150	8,300	7,900	8,100	8,250	43.5	31.0	39.0	343,650	251,100	322,920
KS.....	2,150	2,050	1,900	2,110	2,000	1,850	32.0	23.0	27.0	67,520	46,000	49,950
KY.....	1,060	980	1,200	1,030	910	1,170	26.5	26.5	31.5	27,295	24,115	36,855
LA.....	1,700	2,000	1,800	1,650	1,950	1,600	25.0	29.0	21.0	41,250	56,550	33,600
MD.....	420	465	570	410	455	550	22.5	31.0	30.0	9,225	14,105	16,500
MI.....	1,100	1,250	1,100	1,090	1,210	1,080	36.0	29.0	36.0	39,240	35,090	38,380
MN.....	4,700	4,900	5,050	4,650	4,800	5,000	39.0	26.0	37.0	181,350	124,800	185,000
MS.....	2,550	2,400	2,200	2,450	2,250	2,000	19.5	22.0	20.0	47,775	49,500	40,000
MO.....	5,000	4,300	4,400	4,930	4,230	4,350	32.0	26.5	28.5	157,760	112,095	123,975
NE.....	2,400	2,400	2,600	2,350	2,360	2,560	35.5	30.0	32.0	83,425	70,800	81,920
NJ.....	105	105	115	104	103	113	31.0	27.0	32.0	3,224	2,781	3,616
NC.....	1,400	1,370	1,600	1,340	1,310	1,550	24.5	27.0	27.0	32,830	35,370	41,850
ND.....	520	750	640	515	690	630	32.5	18.0	22.0	16,738	12,420	13,860
OH.....	3,950	3,900	4,000	3,900	3,700	3,980	37.0	27.0	32.0	144,300	99,900	127,360
OK.....	250	290	300	240	270	285	25.0	18.0	24.0	6,000	4,860	6,840
PA.....	190	250	310	185	245	305	34.0	32.0	34.0	6,290	7,840	10,370
SC.....	750	800	980	730	790	960	22.0	23.5	21.0	16,060	18,565	20,160
SD.....	1,400	1,760	1,900	1,390	1,730	1,880	32.5	24.0	26.0	45,175	41,520	48,880
TN.....	1,300	1,300	1,300	1,250	1,230	1,240	23.0	26.0	24.0	28,750	31,980	29,760
TX.....	170	240	500	150	225	415	28.0	28.0	30.0	4,200	6,300	12,450
VA.....	520	530	550	490	515	540	22.0	28.0	32.0	10,780	14,420	17,280
WI.....	330	430	420	320	390	410	38.0	23.0	37.0	12,160	8,970	15,170
US.....	58,180	58,840	60,670	57,172	57,373	59,388	33.9	27.0	32.4	1,937,722	1,548,841	1,926,806

¹ Preliminary.

National Agricultural Statistics Service.

Table 170.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 1975-89

Year beginning October	Soybeans crushed					Soybean oil			Soybean cake and meal		
	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept.	Total	Stocks Oct. 1	Production	Exports	Stocks Oct. 1	Production	Exports
	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bush-els	1,000 bushels	Million pounds	Million pounds	Million pounds	1,000 tons	1,000 tons	1,000 tons
1975.....	220,260	222,106	231,457	203,666	877,489	561	9,630	1,034	358	20,754	5,145
1976.....	219,012	218,168	184,431	151,666	773,277	1,251	8,578	1,547	355	18,488	4,559
1977.....	247,701	247,190	235,108	216,180	946,179	771	10,288	2,057	228	22,371	6,080
1978.....	275,260	261,117	253,009	232,880	1,022,266	729	11,323	¹ 2,334	243	24,354	6,610
1979.....	301,607	308,887	268,460	250,147	1,129,101	776	12,105	2,690	267	27,105	7,932
1980.....	290,378	260,450	241,097	222,398	1,014,323	1,210	11,270	1,631	226	24,312	6,784
1981.....	304,502	266,749	244,647	213,779	1,029,677	1,736	10,979	2,077	163	24,634	6,908
1982.....	320,159	298,556	247,012	253,881	1,119,608	1,103	12,040	2,025	175	26,791	7,109
1983.....	272,408	259,026	224,579	205,635	961,648	1,261	10,873	1,814	474	22,756	5,360
1984.....	289,243	260,953	255,295	245,939	1,051,430	721	11,468	1,660	255	24,529	4,917
1985.....	291,843	272,653	250,288	240,941	1,055,725	632	11,617	1,257	387	24,951	6,036
1986.....	324,038	318,524	281,832	254,636	1,179,030	947	12,783	1,185	212	27,758	7,343
1987.....	324,478	314,198	289,844	246,178	1,174,698	1,725	12,974	1,873	240	28,060	6,854
1988.....	296,196	279,116	252,570	224,028	1,051,910	2,092	11,737	1,661	153	24,943	5,129
1989 ²	304,216	301,297	280,536	.....	.....	1,715	.....	.....	173	.....	.....

¹ Exports only 1978 to date.² Preliminary.

Economic Research Service. Data from the U.S. Department of Commerce.

Table 171.—Soybeans for beans: Marketing year average price and value of production, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per bushel ¹			Value of production ¹		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	5.78	7.58	5.60	60,343	108,015	67,032
AR.....	5.92	7.55	5.60	442,520	628,160	430,080
DE.....	5.90	7.56	5.50	24,957	45,927	39,875
FL.....	5.55	7.50	5.45	12,904	25,013	14,388
GA.....	5.61	7.30	5.55	91,892	164,250	158,730
IL.....	6.00	7.45	5.55	1,983,600	1,750,005	1,964,700
IN.....	5.94	7.55	5.70	1,033,560	872,025	959,595
IA.....	5.97	7.33	5.45	2,051,591	1,840,563	1,759,914
KS.....	5.49	7.26	5.30	370,685	333,960	264,735
KY.....	5.93	7.66	5.75	161,859	184,721	211,916
LA.....	5.59	7.51	5.90	230,588	424,691	198,240
MD.....	5.90	7.57	5.50	54,428	106,775	90,750
MI.....	5.62	7.28	5.50	220,529	255,455	213,840
MN.....	6.10	7.30	5.35	1,160,235	911,040	989,750
MS.....	5.84	7.47	5.80	279,006	369,765	232,000
MO.....	5.70	7.45	5.45	899,232	835,108	675,664
NE.....	5.82	7.31	5.30	485,534	517,548	434,176
NJ.....	5.75	7.45	5.45	18,538	20,718	19,707
NC.....	5.79	7.46	5.55	190,086	263,860	232,268
ND.....	5.27	6.95	5.30	88,209	86,319	73,458
OH.....	5.94	7.54	5.60	857,142	753,246	713,216
OK.....	5.60	7.15	5.25	33,600	34,749	35,910
PA.....	6.20	7.45	5.55	38,998	58,408	57,554
SC.....	5.89	7.43	5.65	94,593	137,938	113,904
SD.....	5.37	7.21	5.25	242,590	299,359	256,620
TN.....	5.61	7.64	5.80	161,288	244,327	172,608
TX.....	5.20	7.05	5.05	21,840	44,415	62,873
VA.....	6.05	7.40	5.65	65,219	106,708	97,632
WI.....	5.71	7.21	5.30	69,434	64,674	80,401
US.....	5.88	7.42	5.55	11,391,000	11,487,742	10,621,536

¹ Preliminary.

National Agricultural Statistics Service.

Table 172.—Soybeans: Price-support operations, United States, 1975-89

Year beginning September	Support price		Put under support ²		Acquired by CCC under support program ³	Owned by CCC Aug. 31
	Per bushel	Percentage of parity ¹	Quantity	Percentage of production		
	<i>Dollars</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>Percent</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
1975.....	(*)					
1976.....	2.50	34	22,471	1.7	2	
1977.....	3.50	46	37,548	5.5	104	
1978.....	4.50	51	64,173	3.4	179	
1979.....	4.50	45	122,084	5.4	275	1
1980.....	5.02	43	133,209	7.4	3,424	76
1981.....	5.02	40	221,486	11.1	23,419	512
1982.....	5.02	39	396,564	18.1	287	20,851
1983.....	5.02	39	101,208	6.2	443	700
1984.....	5.02	39	278,264	15.0	151,727	4,400
1985.....	5.02	40	517,798	24.7	301,471	131,800
1986.....	4.77	39	327,575	16.9	4,105	249,200
1987.....	4.77	39	274,717	14.2	21	6,900
1988.....	4.77	40	120,070	7.8	530	300
1989.....	4.53	37	³ 208,835	10.8		

¹ Percentage of the parity price as of the beginning of the marketing year. ² Includes loans made, purchase agreements entered into, and direct purchases. ³ Acquisitions through loans and purchases (under agreement and direct) from the crop harvested in the year indicated and not acquisitions during that year. ⁴ Price support not authorized for the 1975 crop. ⁵ Preliminary.

Agricultural Stabilization and Conservation Service.

Table 173.—Soybeans, soybean meal, and oil: Average price at specified markets, 1975-88

Year ¹	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur	Year ¹	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, fob Decatur	Soybean meal per short ton: 44 percent protein Decatur
	Dollars	Cents	Dollars		Dollars	Cents	Dollars
1975	5.25	18.30	147.78	1983	7.78	30.55	188.20
1976	7.36	23.87	199.80	1984	5.88	29.51	125.40
1977	6.11	24.51	164.20	1985	5.20	18.00	154.90
1978	7.09	27.15	190.06	1986	5.03	15.40	162.70
1979	6.46	24.32	181.91	1987	6.67	22.67	221.90
1980	7.59	22.73	218.18	1988	7.41	21.10	223.00
1981	6.24	18.95	182.52				
1982	6.11	20.62	187.19				

¹ Year beginning September for soybeans and October for oil and meal.

Economic Research Service.

Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1987-88/1989-90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987- 88	1988- 89	1989- 90 ³	1987- 88	1988- 89	1989- 90 ³	1987- 88	1988- 89	1989- 90 ³
	1,000 hec- tares	1,000 hec- tares	1,000 hec- tares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North and Central America:									
Canada	461	533	540	2.75	2.16	2.26	1,270	1,153	1,219
Guatemala	12	13	13	2.17	2.15	2.31	26	28	30
Mexico	390	139	468	1.92	2.16	2.10	750	300	984
United States	23,137	23,218	24,033	2.28	1.82	2.18	52,746	42,152	52,439
Total	24,000	23,903	25,054				54,792	43,633	54,672
South America:									
Argentina	4,260	4,000	5,000	2.28	1.60	2.16	9,700	6,400	10,800
Bolivia	83	135	155	1.90	2.07	2.06	158	280	320
Brazil	10,524	12,170	11,382	1.71	1.91	1.70	18,021	23,200	19,300
Colombia	61	93	113	1.89	1.90	2.05	115	177	232
Ecuador	55	62	65	1.67	1.65	1.66	92	102	108
Paraguay	615	850	980	1.79	1.90	1.38	1,100	1,615	1,350
Peru	3	3	2	1.67	1.67	2.00	5	5	4
Uruguay	43	50	43	1.63	1.10	1.28	70	55	55
Venezuela	2	4	5	1.00	1.50	1.80	2	6	9
Total	15,646	17,367	17,745				29,263	31,840	32,178
Europe:									
France	79	92	135	2.35	2.48	2.22	186	228	300
Germany, Federal Republic of	0	0	2	.00	.00	2.50	0	0	5
Greece	2	3	8	2.00	2.00	3.25	4	6	26
Italy	481	432	453	3.30	3.26	3.53	1,589	1,408	1,600
Spain	2	7	11	2.00	1.86	2.45	4	13	27
Total EC	564	534	609				1,783	1,655	1,958
Austria	0	6	5	.00	2.00	2.00	0	12	10
Switzerland	0	1	1	.00	2.00	2.00	0	2	2
Total Western Europe	564	541	615				1,783	1,669	1,970
Bulgaria	36	40	40	.94	1.00	1.00	34	40	40
Czechoslovakia	2	2	2	2.50	2.50	3.00	5	5	6
Hungary	36	66	54	1.81	1.58	2.15	65	104	116
Romania	350	340	360	1.00	1.00	1.25	350	340	450
Yugoslavia	105	110	88	2.26	1.64	2.32	237	180	204
Total Eastern Europe	529	558	544				691	669	816
Total Europe	1,093	1,099	1,159				2,474	2,338	2,786
Soviet Union (Europe and Asia)	783	760	830	.91	1.16	1.11	712	880	920

See footnotes at end of table.

Table 174.—Soybeans: Area, yield, and production in specified countries and the world, 1987-88/1989-90 ¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987-88	1988-89	1989-90 ³	1987-88	1988-89	1989-90 ³	1987-88	1988-89	1989-90 ³
	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Africa:									
Egypt.....	50	50	39	2.80	2.60	2.56	140	130	100
Morocco.....	4	2	0	1.00	1.00	.00	4	2	0
Nigeria.....	44	55	68	.91	1.00	.96	40	55	65
South Africa, Republic of.....	44	45	45	1.91	2.22	2.22	84	100	100
Zambia.....	26	32	38	1.23	1.06	.95	32	34	36
Zimbabwe.....	65	71	68	1.83	1.70	1.60	119	121	109
Total	233	255	258				419	442	410
Asia:									
Burma.....	34	36	35	.79	.78	.80	27	28	28
China (Mainland).....	8,411	8,120	8,057	1.48	1.43	1.27	12,465	11,645	10,230
India.....	1,543	1,655	1,900	.58	.91	.89	898	1,501	1,700
Indonesia.....	950	1,177	1,150	1.00	1.02	.96	950	1,200	1,100
Iran.....	50	50	50	1.80	1.80	1.80	90	90	90
Japan.....	163	162	152	1.76	1.71	1.79	287	277	272
Korea, Democratic People's Rep.....	340	340	340	1.29	1.29	1.29	440	440	440
Korea, Republic of.....	154	145	157	1.32	1.65	1.61	203	239	252
Pakistan.....	2	2	4	.50	.50	1.00	1	1	4
Philippines.....	9	10	12	.78	.80	.83	7	8	10
Sri Lanka.....	3	8	8	.67	1.25	1.25	2	10	10
Syria.....	0	10	13	.00	1.60	1.54	0	16	20
Taiwan.....	8	6	8	1.88	1.83	1.88	15	11	15
Thailand.....	303	392	432	1.12	1.32	1.37	338	517	590
Turkey.....	112	60	100	1.07	1.17	1.20	120	70	120
Vietnam.....	135	150	150	.70	.80	.80	95	120	120
Total	12,217	12,323	12,568				15,938	16,173	15,001
Oceania:									
Australia.....	46	77	54	1.63	1.47	1.67	75	113	90
World total	54,018	55,784	57,668				103,673	95,419	106,057

¹ Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. ² Harvested area as far as possible. ³ Preliminary. ⁴ Area harvested for beans. ⁵ Includes estimates for above countries for which data are not available and for minor producing countries.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1986/87-1988/89 ¹

Continent and country of destination	Soybeans			Soybean oil ³			Soybean oilseed cake and meal		
	1986/87	1987/88	1988/89 ²	1986/87	1987/88	1988/89 ²	1986/87	1987/88	1988/89 ²
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
North America:									
Barbados.....	0	0	0	801	600	226	12,758	13,306	6,378
Canada.....	205,573	153,890	112,877	6,940	7,344	5,364	791,136	693,201	579,859
Haiti.....	0	29	0	15,347	3,411	2,846	3,195	2,041	3,209
Jamaica.....	62,364	38,029	66,860	1,939	126	1,590	2,215	28,554	3,149
Mexico.....	1,043,717	892,366	1,269,632	21,883	11,537	17,730	102,495	183,994	285,342
Netherlands Antilles.....	0	9	0	1,665	1,316	1,539	1,461	133	249
Panama.....	276	1,313	4,120	2,975	3,736	6,695	26,229	20,593	21,159
Total ⁴	1,440,661	1,261,226	1,645,800	122,291	68,698	60,452	1,173,333	1,165,148	1,087,262
South America:									
Bolivia.....	0	0	0	2,293	2,123	998	0	0	0
Chile.....	0	0	0	0	2	0	0	0	0
Colombia.....	134,332	216,060	44,238	529	281	169	0	10,456	0
Ecuador.....	0	0	77	18,814	19,050	30,930	0	0	0
Peru.....	20,999	21,011	0	1,292	1,144	2,778	62,602	76,761	0
Surinam.....	0	0	0	0	0	0	3,902	0	0
Venezuela.....	189,624	179,625	128,598	18,652	4,866	29,055	628,051	680,394	529,185
Total ⁴	608,609	903,479	236,510	41,580	28,624	64,081	696,170	768,076	529,264

See footnotes at end of table.

Table 175.—Soybeans, soybean oil, and soybean oilseed cake and meal: United States exports by country of destination, 1986/87–1988/89 ¹—Continued

Continent and country of destination	Soybeans			Soybean oil ^a			Soybean oilseed cake and meal		
	1986/87	1987/88	1988/89 ²	1986/87	1987/88	1988/89 ²	1986/87	1987/88	1988/89 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:									
Belgium and Luxembourg	888,161	824,718	473,672	0	0	0	44,128	0	0
Czechoslovakia	0	0	0	0	0	0	0	0	0
Denmark	69,033	59,364	32,241	2	0	0	5,124	0	0
France	438,509	375,023	169,174	167	22	62	53,733	33,331	0
Germany, Fed. Rep. of	1,392,997	1,415,943	600,978	150	734	49	803,542	177,288	0
Greece	203,426	257,143	142,793	0	0	0	23,604	10,499	41,720
Iceland	0	0	0	12	34	8	0	0	0
Ireland	8,003	0	0	0	0	0	40,623	32,392	5,696
Italy	528,063	100,309	119,690	0	18	105	979,674	554,693	243,452
Netherlands	3,539,982	4,267,336	2,531,449	1,490	3	1,030	926,367	559,896	216,016
Norway	193,260	206,445	125,523	0	41	0	0	0	0
Poland	0	0	0	2,518	0	0	0	26,907	0
Spain	1,775,335	1,592,854	1,151,894	32	0	0	189,512	71,164	47,672
Sweden	0	10	0	0	0	0	0	0	0
Switzerland	5,004	6,684	183	0	0	0	0	0	0
United Kingdom	385,841	579,697	260,612	19	344	176	73,398	41,624	32,116
Yugoslavia	193,332	157,081	110,288	0	0	0	124,740	88,604	59,257
Total ⁴	10,589,182	10,757,289	6,072,906	4,390	1,196	1,430	3,584,044	1,694,412	701,565
Soviet Union	70,959	831,083	239,695	0	0	0	0	1,302,721	1,312,444
Africa:									
Morocco	13,201	12,223	8,800	59,547	35,821	80,023	7,994	0	0
South Africa	0	0	8	1,687	171	200	11	5	0
Egypt	113,706	76,521	66,178	1,922	679	0	274,861	181,955	145,420
Total ⁴	126,907	88,744	74,986	123,808	160,601	139,237	406,015	554,276	543,010
Asia:									
Taiwan	1,967,595	1,857,363	1,438,597	38	48	43	0	0	0
India	0	0	25,000	47,098	151,600	28,127	0	0	0
Israel	402,400	454,332	312,996	560	416	454	59	0	0
Japan	4,024,154	3,914,119	3,215,300	810	638	508	26,418	22,967	24,103
Korea, Rep. of	1,032,176	1,097,365	845,475	137	36	57	48,193	0	26,243
Pakistan	0	0	0	146,663	396,737	453,061	0	1,067	3,998
Philippines	0	5,307	13,854	5,926	6,734	3,657	124,839	92,977	61,517
Total ⁴	7,669,061	7,946,339	5,958,261	246,012	590,861	488,295	718,364	677,453	522,247
Oceania:									
Australia	0	72,700	35,801	377	14	62	33,845	20,749	25,575
New Zealand	146	85	184	5	1	2	5,498	7,817	10,750
Total ⁴	146	72,785	36,108	385	32	81	39,524	28,918	36,790
Grand total ⁵	20,599,705	21,870,093	14,353,901	538,466	850,015	753,576	6,617,450	6,191,008	4,732,586

See footnotes on page 128.

Table 176.—Sunflower: Area, yield, production, and value, United States, 1975–89 ¹

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	787	709	1,109	786,010	10.80	84,962
1976.....	834	810	1,058	857,100	11.00	94,229
1977.....	2,321	2,205	1,252	2,760,470	10.20	280,428
1978.....	2,840	2,798	1,365	3,817,920	10.70	409,923
1979.....	5,555	5,410	1,349	7,296,110	8.99	659,962
1980.....	3,910	3,683	1,016	3,741,640	10.90	413,907
1981.....	3,865	3,811	1,177	4,487,410	10.80	485,358
1982.....	4,815	4,724	1,129	5,332,820	9.03	473,454
1983.....	3,110	3,063	1,044	3,198,500	13.00	418,764
1984.....	3,754	3,692	1,014	3,744,530	11.30	415,584
1985.....	3,055	2,844	1,109	3,153,020	7.93	251,505
1986.....	2,025	1,955	1,369	2,675,750	6.90	185,119
1987.....	1,805	1,775	1,469	2,608,150	8.34	217,618
1988.....	2,038	1,921	933	1,791,970	12.10	208,875
1989 ²	1,880	1,826	981	1,791,260	9.74	174,469

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota. ² Preliminary.

National Agricultural Statistics Service.

Table 177.—Sunflower, Oil Varieties: Area, yield, production, and value, United States, 1975-89 ¹

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1975.....	573	523	1,117	584,000	10.50	61,137
1976.....	616	600	1,072	643,200	10.70	68,796
1977.....	2,075	1,965	1,258	2,472,120	10.10	249,348
1978.....	2,598	2,559	1,369	3,503,520	10.70	375,975
1979.....	5,331	5,191	1,350	7,008,550	8.93	625,912
1980.....	3,649	3,442	1,019	3,508,710	10.90	383,339
1981.....	3,545	3,496	1,178	4,118,570	10.60	436,252
1982.....	4,566	4,479	1,126	5,045,390	8.70	439,154
1983.....	2,954	2,909	1,041	3,027,850	13.10	396,573
1984.....	3,517	3,460	1,011	3,499,400	10.80	378,971
1985.....	2,807	2,608	1,100	2,867,920	7.45	213,774
1986.....	1,777	1,716	1,367	2,345,110	6.54	153,697
1987.....	1,587	1,563	1,473	2,302,250	8.15	187,673
1988.....	1,733	1,630	921	1,501,170	11.10	165,069
1989 ²	1,451	1,413	984	1,389,900	7.95	122,117

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota. ² Preliminary.

National Agricultural Statistics Service.

Table 178.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 1975-89 ¹

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1975.....	214	186	1,086	202,010	11.80	23,825
1976.....	218	210	1,019	213,900	11.90	25,433
1977.....	246	240	1,201	288,350	10.80	31,080
1978.....	242	239	1,315	314,400	10.80	33,948
1979.....	224	219	1,313	287,560	11.80	34,050
1980.....	261	241	967	232,930	13.10	30,568
1981.....	320	315	1,171	368,840	13.30	49,106
1982.....	249	245	1,173	287,430	11.90	34,300
1983.....	156	154	1,108	170,650	13.00	22,191
1984.....	237	232	1,057	245,130	14.90	36,613
1985.....	248	236	1,208	285,100	13.20	37,731
1986.....	248	239	1,383	330,640	9.53	31,422
1987.....	218	212	1,443	305,900	9.79	29,945
1988.....	305	291	999	290,800	15.50	43,806
1989 ²	429	413	972	401,360	13.20	52,352

¹ Minnesota, North Dakota, South Dakota, and Texas; prior to 1977, Minnesota and North Dakota. ² Preliminary.

National Agricultural Statistics Service.

FOOTNOTES FOR TABLE 175

¹ For soybeans, year begins Sept. 1; for soybean oil and oilseed cake and meal, year begins Oct. 1. ² Preliminary.
³ Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by the Bureau of the Census.
⁴ Includes quantities exported to countries not shown. ⁵ Total may not add due to rounding. ⁶ Includes 94,182 metric tons, 9,147 metric tons and 89,632 metric tons transshipped via Canada to unidentified countries in 1986/87, 1987/88, and 1988/89 respectively.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 179.—Sunflower: Area, yield, production, and value, by States, 1988–89

State	Area planted		Area harvested		Yield per harvested acre		Production		Marketing year average price per cwt.		Value of production	
	1988	1989 ¹	1988	1989 ¹	1988	1989 ¹	1988	1989 ¹	1988	1989 ¹	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	1,000 pounds	1,000 pounds	Dol-lars	Dol-lars	1,000 dol-lars	1,000 dol-lars
Oil varieties:												
KS.....	170	100	167	97	1,240	940	207,000	91,180	10.00	7.95	20,700	7,249
MN.....	45	45	35	44	1,350	1,400	47,250	61,600	10.80	9.10	5,103	5,606
ND.....	1,250	980	1,170	960	880	970	1,029,600	931,200	11.20	8.95	115,315	83,342
SD.....	255	293	246	280	820	960	201,720	268,800	11.10	8.40	22,391	22,579
TX.....	13	33	12	32	1,300	1,160	15,600	37,120	10.00	9.00	1,560	3,341
Total.....	1,733	1,451	1,630	1,413	921	984	1,501,170	1,389,900	11.10	7.95	165,069	122,117
Non-oil varieties:												
KS.....	30	30	28	28	1,180	970	33,000	27,160	10.30	9.10	3,399	2,472
MN.....	13	25	12	24	1,400	1,400	16,800	33,600	17.30	13.10	2,906	4,402
ND.....	250	340	240	330	950	920	228,000	303,600	15.60	13.00	35,568	39,468
SD.....	5	7	4	7	800	1,000	3,200	7,000	16.00	13.00	512	910
TX.....	7	27	7	24	1,400	1,250	9,800	30,000	14.50	17.00	1,421	5,100
Total.....	305	429	291	413	999	972	290,800	401,360	15.50	13.20	43,806	52,352
Total:												
KS.....	200	130	195	125	1,230	947	240,000	118,340	10.00	8.21	24,099	9,721
MN.....	58	70	47	68	1,363	1,400	64,050	95,200	12.50	10.50	8,009	10,008
ND.....	1,500	1,320	1,410	1,290	892	957	1,257,600	1,234,800	12.00	9.95	150,883	122,810
SD.....	260	300	250	287	820	961	204,920	275,800	11.20	8.52	22,903	23,489
TX.....	20	60	19	56	1,337	1,199	25,400	67,120	11.70	12.60	2,981	8,441
Total.....	2,038	1,880	1,921	1,826	933	981	1,791,970	1,791,260	12.10	9.74	208,875	174,469

¹ Preliminary.

National Agricultural Statistics Service.

Table 180.—Sunflower seeds: Yield and production in specified countries, 1987/88–1989/90 ¹

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
North America:	1,000 hectares	1,000 hectares	1,000 hectares	Metric tons	Metric tons	Metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Canada.....	34	43	55	1.53	1.12	1.25	52	48	69
Mexico.....	12	16	12	.83	.63	.83	10	10	10
United States.....	718	777	739	1.65	1.05	1.10	1,183	813	813
Total.....	764	836	806				1,245	871	892
South America:									
Argentina.....	2,058	2,300	2,900	1.36	1.39	1.31	2,800	3,200	3,800
Brazil.....	4	12	4	1.50	1.08	1.25	6	13	5
Chile.....	23	15	15	2.13	2.13	2.00	49	32	30
Colombia.....	1	3	3	2.00	1.33	1.33	2	4	4
Paraguay.....	7	6	7	1.29	1.17	.71	9	7	5
Uruguay.....	44	57	67	.75	.84	.82	33	48	55
Venezuela.....	45	115	110	.76	.78	.91	34	90	100
Total.....	2,182	2,508	3,106				2,933	3,394	3,999

See footnotes at end of table.

Table 180.—Sunflower seeds: Yield and production in specified countries, 1987/88–1989/90 ¹—Continued

Continent and country	Area ²			Yield per hectare			Production		
	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³	1987/88	1988/89	1989/90 ³
	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>1,000 hectares</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Europe:									
France.....	965	912	799	2.60	2.56	2.64	2,508	2,335	2,112
Germany, Federal Republic of..	8	10	14	3.00	3.00	3.21	24	30	45
Greece.....	90	42	26	1.61	1.79	2.04	145	75	53
Italy.....	200	165	135	2.25	2.21	2.44	450	365	330
Portugal.....	43	75	60	.65	.77	.80	28	58	48
Spain.....	994	921	965	1.01	1.22	.94	1,006	1,123	906
Total EC.....	2,300	2,125	1,999				4,161	3,986	3,494
Austria.....	11	21	25	3.18	2.67	2.92	35	56	73
Total Western Europe.....	2,311	2,146	2,024				4,196	4,042	3,567
Bulgaria.....	266	265	265	1.54	1.38	1.51	410	367	400
Czechoslovakia.....	27	30	31	2.30	2.07	2.26	62	62	70
Hungary.....	376	363	356	2.09	1.95	1.97	787	708	701
Romania.....	455	444	460	1.43	1.31	1.70	650	580	780
Yugoslavia.....	251	209	204	1.94	1.96	2.04	486	410	417
Total Eastern Europe.....	1,375	1,311	1,316				2,395	2,127	2,368
Total Europe.....	3,686	3,457	3,340				6,591	6,169	5,935
Soviet Union.....	4,156	4,280	4,414	1.46	1.44	1.59	6,075	6,157	7,000
Africa:									
Egypt.....	8	10	11	1.75	1.80	1.91	14	18	21
Ethiopia.....	61	61	61	.36	.36	.36	22	22	22
Kenya.....	16	16	16	1.25	1.25	1.25	20	20	20
Morocco.....	60	88	110	.78	1.00	.95	47	88	105
Mozambique.....	35	35	35	.57	.57	.57	20	20	20
South Africa, Republic of.....	462	462	462	1.17	.87	.87	540	400	400
Tanzania, United Republic of..	81	81	81	.52	.52	.52	42	42	42
Uganda.....	5	5	5	.40	.40	.40	2	2	2
Zambia.....	35	42	44	.57	.48	.82	20	20	36
Zimbabwe.....	100	102	100	.47	.47	.65	47	48	65
Total ⁴	863	902	925				774	680	733
Asia:									
Burma.....	261	264	275	.85	.90	.91	221	238	250
China (Mainland).....	887	830	730	1.40	1.42	1.34	1,241	1,180	980
India.....	1,651	1,052	1,200	.38	.38	.42	635	397	500
Iran.....	19	19	19	.74	.74	.74	14	14	14
Iraq.....	12	14	14	.83	.79	.79	10	11	11
Israel.....	6	6	6	1.17	1.17	1.17	7	7	7
Pakistan.....	43	29	35	1.00	1.17	1.20	43	34	42
Syria.....	15	15	15	1.00	1.00	1.00	15	15	15
Turkey.....	775	700	800	1.15	1.57	1.50	895	1,100	1,200
Total ⁴	3,669	2,929	3,094				3,081	2,996	3,019
Oceania:									
Australia.....	202	169	68	1.08	1.01	1.21	219	170	82
World total ⁴	15,522	15,081	15,753				20,918	20,437	21,660

¹ Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. ² Harvested area as far as possible. ³ Preliminary. ⁴ Totals may not add.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 181.—Peppermint oil: Area, yield, production, and value, United States, 1975-89

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1975.....	(¹)	68.1	55	3,753	12.60	47,120
1976.....		72.2	51	3,700	14.80	54,702
1977.....		86.9	51	4,409	14.30	63,209
1978.....		100.0	56	5,557	10.60	59,081
1979.....		90.9	53	4,815	9.91	47,693
1980.....		81.3	57	4,611	9.40	43,355
1981.....		69.5	60	4,191	9.39	39,359
1982.....		60.9	60	3,668	9.24	33,908
1983.....		61.3	63	3,867	10.10	39,152
1984.....		67.2	64	4,334	10.80	46,964
1985.....		66.3	66	4,356	10.20	43,989
1986.....		65.4	67	4,376	10.70	46,218
1987.....		67.0	67	4,495	11.70	52,373
1988.....		80.5	67	5,360	15.90	85,324
1989 ²		100.8	66	6,652	13.00	86,412

¹ Estimates discontinued. ² Preliminary.

National Agricultural Statistics Service.

Table 182.—Spearment oil: Area, yield, production, and value, United States, 1975-89

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 pounds	Dollars	1,000 dollars
1975.....	(¹)	28.0	64	1,778	10.40	18,461
1976.....		29.0	58	1,686	12.30	20,778
1977.....		37.1	63	2,329	12.40	28,947
1978.....		46.1	70	3,244	7.46	24,200
1979.....		33.1	58	1,921	8.72	16,757
1980.....		31.3	68	2,139	9.61	20,554
1981.....		29.2	75	2,177	9.42	20,510
1982.....		22.8	59	1,355	12.60	17,067
1983.....		26.2	61	1,596	12.30	19,687
1984.....		27.9	72	2,019	12.60	25,405
1985.....		30.3	77	2,323	11.70	27,084
1986.....		28.7	93	2,666	11.40	30,396
1987.....		24.0	86	2,060	12.10	24,998
1988.....		22.6	77	1,745	12.80	22,382
1989 ²		26.4	70	1,846	13.90	25,571

¹ Estimates discontinued. ² Preliminary.

National Agricultural Statistics Service.

Table 183.—Mint oil: Production and value, by States, 1987-90

State	Production			Price per pound			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 pounds	1,000 pounds	1,000 pounds	Dol- lars	Dol- lars	Dol- lars	1,000 dollars	1,000 dollars	1,000 dollars
Peppermint:									
ID	595	809	975	9.00	12.10	11.00	5,355	9,789	10,725
IN	283	194	600	13.50	27.20	14.60	3,821	5,277	8,760
OR	2,450	2,840	3,116	12.40	16.80	13.90	30,380	47,712	43,312
WA	1,001	1,419	1,574	10.40	14.30	10.70	10,410	20,292	16,842
WI	166	98	387	14.50	23.00	17.50	2,407	2,254	6,773
US	4,495	5,360	6,652	11.70	15.90	13.00	52,373	85,324	86,412
Spearmint:									
ID	187	165	151	14.00	14.40	15.40	2,618	2,376	2,325
IN	144	80	167	12.90	16.90	16.60	1,858	1,352	2,772
MI	52	36	61	12.50	16.60	16.00	650	598	976
OR	113	111	105	13.80	14.00	15.00	1,559	1,554	1,575
WA	1,408	1,261	1,102	11.40	11.70	12.30	16,051	14,754	13,555
WI	156	92	260	14.50	19.00	16.80	2,262	1,748	4,368
US	2,060	1,745	1,846	12.10	12.80	13.90	24,998	22,382	25,571

¹ Preliminary.

National Agricultural Statistics Service.

Table 184.—Olive oil: ¹ Production in specified countries and the world, 1986-89

Country	1986	1987	1988	1989 ²	Country	1986	1987	1988	1989 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe:					Africa:				
France	1	1	1	2	Algeria	12	12	13	14
Greece	248	210	284	260	Morocco	43	42	32	60
Italy	355	660	431	550	Tunisia	114	100	95	55
Portugal	51	43	25	40	Libya	7	7	5	5
Spain	493	691	376	498	Total	176	161	145	134
Yugoslavia	2	6	4	5	Argentina	16	15	15	15
Total	1,150	1,611	1,121	1,355	Other countries	4	4	4	4
Middle East:					World total	1,557	1,901	1,502	1,631
Israel	5	3	5	3					
Jordan	2	9	2	10					
Syria	80	40	91	42					
Lebanon	9	8	9	8					
Turkey	115	50	110	60					
Total	211	110	217	123					

¹ Production in marketing year beginning Nov. 1; excludes residue oil.² Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 185.—Margarine, actual weight: Supply and disposition, United States, 1975-89

Year	Supply			Disposition		
	Production	Stocks, Jan. 1	Total supply	Exports ¹	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975	2,399	64	2,463	5	2,398	11.1
1976	2,628	60	2,688	6	2,615	12.0
1977	2,535	67	2,602	7	2,515	11.4
1978	2,520	80	2,600	7	2,523	11.3
1979	2,553	70	2,623	7	2,535	11.4
1980	2,593	81	2,674	8	2,592	11.3
1981	2,577	74	2,651	17	2,573	11.2
1982	2,596	61	2,657	13	2,582	11.1
1983	2,451	62	2,513	12	2,446	10.5
1984	2,481	55	2,536	9	2,472	10.5
1985	2,603	55	2,658	9	2,588	10.9
1986	2,789	61	2,850	8	2,761	11.5
1987	2,554	81	2,635	8	2,564	10.5
1988	2,549	63	2,612	8	2,542	10.2
1989 ²	2,531	62	2,593	7	2,525	10.1

¹ Includes shipments prior to 1975. ² Preliminary.

Economic Research Service. Totals and per capita estimates computed from unrounded numbers.

Table 186.—Margarine: Selected reported fats and oils used in manufacture, United States, 1975-89

Year	Vegetable oils			Animal fats ¹	Total ²
	Soybean oil	Cottonseed oil	Corn oil		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975	1,568	46	188	52	1,917
1976	1,671	51	218	44	2,091
1977	1,585	44	243	80	2,026
1978	1,593	42	211	74	1,997
1979	1,643	25	222	86	1,985
1980	1,653	25	223	104	2,016
1981	1,685	25	214	78	2,012
1982	1,718	21	220	29	1,997
1983	1,549	34	212	41	1,850
1984	1,544	26	196	38	1,842
1985	1,628	8	210	65	1,946
1986	1,741	24	190	48	2,041
1987	1,615	28	248	22	1,931
1988	1,619	.....	210	35	1,895
1989	1,573	.....	214	32	1,875

¹ Lard and edible tallow. ² Includes small quantities of nuts, coconut, palm, and sunflower oil.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

Table 187.—Shortening: Supply and disposition, United States, 1975-89

Year	Supply			Disposition		
	Factory and warehouse stocks, Jan. 1	Production	Total supply	Exports and shipments	Domestic disappearance	
					Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975.....	134	3,713	3,847	43	3,722	17.3
1976.....	125	3,929	4,054	51	3,926	18.0
1977.....	128	3,841	3,969	46	3,856	17.5
1978.....	113	4,015	4,128	34	4,021	18.1
1979.....	107	4,206	4,313	41	4,181	18.6
1980.....	132	4,178	4,310	40	4,179	18.4
1981.....	131	4,291	4,422	49	4,302	18.7
1982.....	120	4,379	4,499	45	4,366	18.8
1983.....	133	4,363	4,496	31	4,365	18.6
1984.....	131	5,068	5,199	30	5,070	21.4
1985.....	129	5,505	5,634	30	5,477	22.9
1986.....	127	5,383	5,510	36	5,337	22.1
1987.....	137	5,237	5,374	31	5,204	21.3
1988.....	139	5,328	5,467	40	5,282	21.2
1989 ¹	145	4,288	4,433	19	5,322	21.2

¹ Preliminary.

Economic Research Service. Compiled from reports of the Commerce and Agriculture Departments.

Table 188.—Shortening: Fats and oils used in manufacture, United States, 1975-89

Year	Vegetable oils				Animal fats		Total primary and secondary fats and oils ¹
	Cottonseed oil	Soybean oil	Coconut oil	Palm oil	Lard	Edible tallow	
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	154	2,025	106	604	166	602	3,728
1976.....	128	2,322	128	532	156	622	3,938
1977.....	160	2,279	78	371	185	748	3,855
1978.....	189	2,480	75	266	220	808	4,059
1979.....	169	2,680	93	222	316	713	4,213
1980.....	189	2,651	103	88	378	673	4,200
1981.....	136	2,767	125	217	315	724	4,304
1982.....	158	2,948	139	190	251	679	4,391
1983.....	139	2,914	152	213	277	632	4,381
1984.....	151	3,465	(*)	216	263	821	5,108
1985.....	173	3,625	(*)	230	289	1,015	5,564
1986.....	182	3,375	(*)	320	274	973	5,453
1987.....	136	3,434	(*)	215	224	890	5,303
1988.....	170	3,562	109	173	265	840	5,377
1989 ⁴	192	3,509	92	139	295	752	5,338

¹ Includes small quantities of corn, peanut, safflower, and sunflower oil. ² Not included to avoid disclosure.³ Not available. ⁴ Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce. Totals computed from unrounded numbers.

Table 189.—Inedible tallow and grease: Supply and disposition, United States, and price per pound at Chicago, 1975-89

Year	Supply				Disposition			Price of inedible tallow No. 1 at Chicago, per pound
	Stocks Jan. 1	Production	Total	Exports	Factory consumption			
					Total	Use in soap	Use in feed	
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents
1975.....	380	4,655	5,050	2,009	2,908	662	1,283	12.0
1976.....	277	5,675	5,961	2,331	3,367	764	1,464	13.2
1977.....	355	6,106	6,465	2,885	3,180	737	1,330	13.6
1978.....	344	5,815	6,162	2,698	3,220	695	1,390	16.0
1979.....	347	5,836	6,183	2,795	3,117	663	1,239	18.8
1980.....	390	5,916	6,306	3,254	2,979	666	1,246	14.3
1981.....	413	6,124	6,537	3,134	2,985	520	1,323	15.3
1982.....	451	6,026	6,477	3,035	2,898	545	1,418	12.8
1983.....	368	6,129	6,497	2,931	2,813	574	1,397	13.4
1984.....	376	5,881	6,257	2,735	2,941	623	1,346	14.5
1985.....	368	5,827	6,195	2,737	2,782	535	1,363	14.3
1986.....	362	5,543	5,905	2,562	2,917	482	1,604	9.0
1987.....	316	5,602	5,918	2,491	3,082	571	1,727	14.9
1988.....	407	6,158	6,565	2,807	3,147	461	1,864	16.6
1989.....	399	5,848	6,247	2,679	3,194	368	1,919	14.7

Economic Research Service.

Table 190.—Fats, oils, and oilseeds (fat or oil equivalent): World production, 1986-87/1989-90

Commodity	World production ¹			
	1986-87	1987-88	1988-89	1989-90 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Edible vegetable oils:				
Cottonseed.....	3,053	3,477	3,628	3,516
Peanut.....	3,101	3,099	3,729	3,382
Soybean.....	15,198	15,240	14,574	15,676
Sunflower.....	3,568	7,253	7,263	7,903
Rapeseed.....	6,849	7,761	7,599	7,644
Olive ³	1,557	1,901	1,502	1,631
Total.....	31,769	36,830	36,793	38,121
Palm oils:				
Coconut.....	2,934	2,677	2,580	2,769
Palm kernel.....	1,065	1,204	1,238	1,434
Palm.....	7,960	8,364	9,467	10,626
Total.....	11,959	12,245	13,285	14,829
Industrial oils:				
Linseed.....	640	614	514	565
Total.....	640	614	514	565
Animal fats:				
Butter (fat content).....	5,295	5,299	5,342	5,340
Tallow and grease.....	6,330	6,560	6,603	6,659
Total.....	11,625	11,859	11,945	11,999
Marine oils:				
Fish.....	1,384	1,482	1,629	1,541
Total.....	1,384	1,482	1,629	1,541
Total, all commodities.....	57,377	63,030	64,166	67,055

¹ Split year includes Northern Hemisphere crop harvested in the late months of the first year shown combined with Southern Hemisphere and certain Northern Hemisphere crops harvested in the early months of the following year. ² Preliminary. ³ Excludes olive residue oil.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 191.—Fats, oils, oilseeds, and oilseed cake and meal: Exports of selected items, United States, 1975-89

Year beginning January	Lard	Inedible animal tallow, greases, and oils ¹	Oilseeds and nuts				
			Cottonseed	Flaxseed	Peanuts unshelled	Peanuts shelled	Soybeans
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	39,791	955,827	6,770	27,138	11,907	235,059	12,496,246
1976.....	81,900	1,157,959	64,810	10,401	7,393	128,931	15,332,100
1977.....	82,568	1,401,721	14,727	23,812	14,778	299,331	16,195,496
1978.....	54,237	1,228,256	42,908	2,392	40,117	354,736	20,704,536
1979.....	43,507	1,286,915	7,473	3,590	38,053	347,699	20,890,129
1980.....	41,914	1,516,948	189,057	3,912	24,558	297,679	21,778,536
1981.....	67,901	1,488,304	25,479	534	21,337	140,963	21,830,405
1982.....	46,709	1,413,331	37,563	15,047	28,442	193,889	25,474,898
1983.....	40,195	1,386,778	1,902	2,848	26,500	215,726	22,704,181
1984.....	40,358	1,267,681	55,141	6,365	26,119	259,541	19,482,717
1985.....	47,414	1,280,664	45,792	2,433	34,748	298,975	16,889,203
1986.....	47,827	1,197,774	10,905	39,275	30,320	277,389	21,379,560
1987.....	48,239	1,155,366	25,272	4,282	41,778	216,371	21,592,443
1988.....	57,622	1,336,908	44,085	4,275	37,317	153,273	18,229,355
1989 ²	50,074	1,228,126	34,554	24,261	50,557	240,334	15,046,903

Year beginning January	Vegetable oils							Oilseed cake and meal	
	Cocoa butter	Coconut oil	Cotton- seed oil ³	Linseed oil	Marga- rine	Peanut oil	Soybean oil ³	Soybean	Other
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		
1975.....	405	2,570	297,861	39,542	2,152	12,154	356,338	3,782,761	166,941
1976.....	443	19,890	236,293	9,477	2,893	47,821	510,007	4,862,126	180,939
1977.....	1,130	7,342	331,758	11,570	3,063	45,065	773,791	4,133,659	159,352
1978.....	240	5,230	330,765	24,687	3,430	40,339	929,282	5,914,130	340,175
1979.....	233	4,396	287,130	11,379	3,367	4,870	1,129,334	6,087,713	356,672
1980.....	441	4,863	356,276	24,846	3,647	18,102	1,096,080	7,053,989	368,318
1981.....	592	11,362	318,568	31,301	7,509	19,752	818,730	6,344,614	441,094
1982.....	999	10,337	387,525	9,943	6,007	9,598	932,857	6,220,742	224,285
1983.....	537	8,409	194,797	6,905	5,128	2,087	785,690	6,488,317	251,802
1984.....	1,447	16,634	171,299	22,847	4,200	6,685	1,008,517	4,400,371	185,682
1985.....	1,167	9,607	191,377	6,262	4,139	16,543	586,289	4,711,894	137,161
1986.....	988	10,011	173,919	4,095	3,811	35,226	540,447	5,960,340	130,166
1987.....	1,788	34,772	109,881	3,118	3,517	2,999	629,966	5,920,974	176,301
1988.....	1,112	30,572	171,045	4,529	3,742	3,345	875,491	6,282,414	192,364
1989 ²	2,009	20,432	209,316	6,767	3,230	6,810	700,447	4,448,326	125,090

¹ Includes edible and inedible tallow, choice white grease, wool grease, yellow grease, edible and inedible oleo and oleo stearine, and animal oils, fats and oils, n.e.c. ² Preliminary. ³ Includes shipments under P.L. 480 as reported by the Bureau of the Census. ⁴ Includes corn meal.

Foreign Agricultural Service. Compiled from reports of the Commerce and Agriculture Departments.

Table 192.—Oilseeds, oils, and oilseed cake and meal: Imports of selected items, United States, 1975-89

Year beginning January	Oilseeds					
	Castor beans	Copra	Flaxseed	Peanuts unshelled	Peanuts shelled ¹	Poppy seed
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	5	0	3,497	10	241	7,002
1976.....	3	0	32,921	210	69	2,539
1977.....	0	2	38,216	199	49	4,172
1978.....	0	4	28,408	168	64	2,685
1979.....	3	419	54,325	168	47	2,364
1980.....	3	0	30,808	362	80	2,661
1981.....	0	0	118,063	1,389	137,834	2,842
1982.....	2	52	50,919	100	903	3,314
1983.....	0	0	87,491	398	1,080	3,101
1984.....	1	0	76,179	31	972	4,346
1985.....	0	0	125,564	171	162	3,560
1986.....	34	0	60,433	621	1,049	4,789
1987.....	0	536	60,113	308	663	3,776
1988.....	0	933	109,418	356	577	3,693
1989 ²	42	486	171,664	197	753	4,160

Year beginning January	Oilseeds—continued			Vegetable oils			
	Rapeseed	Sesame seed	Soybeans	Cocoa butter	Castor oil	Coconut oil	Linseed oil
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	4,625	20,248	41	15,515	31,130	394,207	39
1976.....	2,412	28,649	54	23,083	53,613	552,007	3
1977.....	205	28,357	105	17,730	50,452	456,639	19
1978.....	415	32,000	69	24,638	51,947	463,803	15
1979.....	509	32,099	269	30,839	48,676	444,432	9
1980.....	266	31,571	6,000	34,658	42,732	403,388	7
1981.....	265	37,954	8,498	43,197	40,389	470,330	14
1982.....	421	33,213	6,439	37,326	29,347	403,596	4
1983.....	535	42,789	2,505	47,981	33,680	449,389	3
1984.....	1,047	36,759	10,948	51,712	35,476	377,924	43
1985.....	611	37,334	4,109	70,147	37,189	450,199	11
1986.....	799	36,316	17,897	70,855	37,678	548,317	357
1987.....	503	36,518	10,930	79,774	42,528	506,387	159
1988.....	6,851	33,146	59,828	78,286	30,365	444,799	169
1989 ²	77,752	40,514	89,713	64,353	37,874	391,903	4

Year beginning January	Vegetable oils—continued						Total oilseed cake and meal
	Olive oil	Palm oil	Palm kernel oil	Peanut oil	Rapeseed oil	Tung oil	
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	21,634	436,338	73,176	323	2,624	13,637	4,302
1976.....	28,303	351,889	63,425	528	5,511	15,653	35,232
1977.....	24,633	249,501	69,896	12	6,876	8,537	20,128
1978.....	28,087	146,431	57,293	19	6,451	8,125	8,977
1979.....	27,306	141,599	76,151	24	6,381	9,089	25,263
1980.....	25,553	115,891	83,294	30	6,422	7,366	26,420
1981.....	27,720	121,893	69,268	38	6,286	6,819	52,671
1982.....	29,235	113,403	95,638	72	6,891	6,531	66,136
1983.....	33,113	149,114	106,547	1,757	5,346	6,185	102,390
1984.....	41,147	147,706	91,683	929	5,259	6,318	116,155
1985.....	43,959	208,652	145,067	405	15,332	6,939	156,386
1986.....	54,033	281,608	195,963	1,090	55,293	5,575	152,498
1987.....	63,736	187,899	182,955	4,700	87,317	5,895	259,742
1988.....	80,417	152,002	208,526	10,857	162,427	6,406	273,708
1989 ²	80,833	112,201	151,282	391	194,557	6,474	327,563

¹ Includes blanched or roasted peanuts. ² Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 193.—Inedible animal tallow, greases, and oils: ¹ United States exports by region and country of destination, 1987-89

Continent and country	1987	1988	1989 ²	Continent and country	1987	1988	1989 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North and Central America:				Soviet Union	54,878	65,000	77,282
Canada	9,070	14,303	10,209	Africa:			
Dominican Republic	25,963	19,347	27,103	Algeria	21,315	28,257	43,353
El Salvador	35,598	36,268	37,841	Cameroon	0	0	0
Guatemala	32,149	30,049	31,185	Ghana	0	3,922	1,988
Haiti	18,334	21,940	24,181	Kenya	500	14	0
Honduras	7,546	8,348	4,424	Madagascar	1,200	0	1,199
Jamaica	7,685	6,055	6,218	Morocco	5,757	16,533	7,418
Mexico	189,840	174,939	173,420	Nigeria	25,162	38,183	17,391
Nicaragua	0	0	0	Senegal	3,573	9,279	11,118
Trinidad and Tobago	0	0	0	Egypt	135,666	146,959	71,963
Other countries	5,342	3,821	3,584	South Africa	225	15,945	1,803
Total	331,527	315,070	318,165	Ivory Coast	0	0	0
				Other countries	18,194	33,005	27,606
South America:				Total	211,592	292,097	183,839
Argentina	721	880	2,052	Asia:			
Brazil	805	12,154	69,170	Bangladesh	0	0	0
Chile	1,958	1,739	2,810	Iran	0	0	0
Colombia	61,681	80,979	43,715	China	1,367	506	0
Ecuador	10,075	10,606	12,264	Taiwan	10,412	15,313	28,298
Peru	1,149	448	162	India	3,683	242	0
Venezuela	42,000	55,458	31,343	Japan	32,225	40,209	46,416
Other countries	1,383	634	1,900	Korea, Rep. of	86,292	87,753	81,393
Total	451,299	477,968	481,581	Lebanon	3,367	1,775	1,000
				Pakistan	59,975	54,191	57,082
Europe:				Philippines	3,675	6,140	4,001
Belgium and Luxembourg	4,719	13,133	5,586	Singapore	101	246	21
France	7	3,438	1,110	Turkey (Europe and Asia)	48,011	31,670	83,499
Germany, Fed. Rep. of	13,253	10,740	6,337	Thailand	43	31	70
Italy	2,526	7,853	20,065	Other countries	35	160	271
Netherlands	65,520	84,220	70,089	Total	247,819	237,730	302,051
United Kingdom	1,607	2,170	137	Oceania	352	1,155	114
Greece	45	78	3,007				
Norway	13	0	14	Grand total ³	1,409,169	1,514,654	1,464,919
Portugal	6,907	7,387	16,599				
Spain	76,640	78,104	58,316				
Switzerland	1	0	1,575				
Poland	10	0	0				
Other countries	68	82	3,030				
Total	166,580	190,634	179,169				

¹ Includes inedible tallow and choice white grease; yellow grease; inedible oleo, and oleo stearin; and animal fats, oils, and greases, n.e.c. ² Preliminary. ³ May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the Bureau of the Census, U.S. Department of Commerce.

Table 194.—Fats and Oils: Use in products for civilian consumption, total and per capita, United States, 1975-89

Calendar year	Food products ¹													
	Butter (actual weight)		Lard (direct use) ²		Margarine (actual weight)		Baking and frying fats (shortening)		Salad and cooking oils		Other edible use		All food products (fat content)	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1975	1,021	4.8	615	2.9	2,398	11.1	3,679	17.1	3,840	17.8	428	2.0	11,290	52.3
1976	941	4.3	568	2.6	2,615	12.0	3,875	17.8	4,243	20.1	445	2.0	11,970	54.9
1977	946	4.3	495	2.3	2,515	11.4	3,810	17.3	4,207	19.1	422	1.9	11,698	53.1
1978	969	4.4	478	2.2	2,523	11.4	3,987	18.0	4,464	20.1	453	2.0	12,165	54.7
1979	1,011	4.5	656	2.9	2,535	11.3	4,156	18.5	4,690	20.8	377	1.7	12,711	56.5
1980	1,017	4.5	830	3.7	2,592	11.4	4,150	18.3	4,837	21.2	343	1.5	13,043	57.3
1981	974	4.2	798	3.5	2,573	11.2	4,262	18.6	5,008	21.8	320	1.4	13,222	57.5
1982	1,011	4.3	889	3.8	2,582	11.1	4,332	18.7	5,080	21.8	374	1.6	13,533	58.2
1983	1,150	4.9	967	4.1	2,446	10.4	4,345	18.5	5,624	24.0	365	1.5	14,165	60.3
1984	1,162	4.9	886	3.7	2,472	10.4	5,040	21.3	4,693	19.8	404	1.7	13,917	58.7
1985	1,164	4.9	883	3.7	2,588	10.8	5,477	22.9	5,614	23.5	375	1.6	15,345	64.1
1986	1,114	4.6	846	3.5	2,761	11.4	5,337	22.1	5,831	24.1	404	1.7	15,512	64.2
1987	1,128	4.6	679	2.8	2,564	10.5	5,204	21.3	6,016	24.7	316	1.3	15,175	62.2
1988	1,098	4.5	626	2.5	2,542	10.2	5,282	21.2	6,161	24.8	318	1.3	15,300	62.1
1989 ³	1,067	4.3	672	2.7	2,525	10.1	5,322	21.2	5,919	23.6	313	1.5	15,100	60.7

Calendar year	Industrial products									
	Soap		Fatty acids		Animal feeds		Other industrial products		All industrial products ⁴	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1975	836	3.9	1,701	7.9	1,283	6.0	591	2.7	4,914	22.8
1976	976	4.5	1,978	9.1	1,464	6.7	640	2.9	5,700	26.2
1977	953	4.4	1,974	9.0	1,492	6.8	695	3.2	5,708	26.0
1978	889	4.0	2,177	9.9	1,518	6.8	728	3.3	5,904	26.7
1979	862	3.8	2,320	10.3	1,316	5.9	723	3.2	5,758	25.6
1980	848	3.7	2,154	9.5	1,337	5.9	678	3.0	5,505	24.2
1981	798	3.5	2,175	9.5	1,391	6.1	720	3.1	5,468	23.8
1982	748	3.2	1,936	8.3	1,474	6.4	610	2.6	5,129	22.1
1983	811	3.5	1,862	7.9	1,478	6.3	611	2.6	5,181	22.1
1984	1,015	4.3	2,028	8.6	1,443	6.1	635	2.7	5,570	23.6
1985	754	3.2	1,911	8.0	1,495	6.3	453	1.9	5,100	21.4
1986	764	3.2	2,007	8.3	1,750	7.3	342	1.4	5,392	22.4
1987	918	3.8	2,195	9.0	1,874	7.7	597	2.5	6,154	25.3
1988	807	3.3	2,181	8.9	2,002	8.1	501	2.0	5,979	24.3
1989 ³	749	3.1	2,057	8.4	2,083	8.5	444	1.8	5,848	23.7

¹ Domestic disappearance data are computed by ERS. ² Includes edible tallow direct use beginning in 1979.
³ Preliminary. ⁴ Including paint, varnish, resin, plastic, and lubricants. ⁵ Including only fat content of butter and margarine.

Economic Research Service.

Table 195.—Fats and oils: Index numbers of wholesale prices, leading markets, United States, 1983-89

[1982=100]

Year	All fats and oils excluding butter	Seventeen major fats and oils								
		All fats and oils	Classified by origin		Classified by use					
			Animal	Vegetable	Edible			Industrial		
					Domestic origin	Butter	Lard	All edible	Soap fats	Drying oils	All industrial
1983.....	104.2	104.5	102.7	114.9	100.2	103.3	105.3	102.4	103.5	101.8
1984.....	115.8	106.5	109.8	147.1	99.2	124.9	109.8	130.0	120.6	128.8
1985.....	84.2	73.1	85.2	131.3	104.5	106.7	78.8	104.4	111.9	104.7
1986.....	70.7	61.7	70.9	86.2	98.3	90.2	66.5	86.4	94.2	86.6
1987.....	69.1	60.2	69.2	87.8	95.3	88.9	64.9	94.2	79.1	90.2
1988.....	79.9	64.5	67.6	125.7	90.7	95.3	68.8	112.4	102.3	108.5
1989.....	72.4	59.8	64.2	113.5	88.0	105.3	64.0	98.2	130.8	99.0

Economic Research Service.

Table 196.—Fats and oils: Wholesale price per pound, 1985-89

Item and market	1985	1986	1987	1988	1989 ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
Castor oil, No. 1, Brazilian, tanks, imported, New York.....	46.7	33.1	39.2	48.9	51.7
Coconut oil, crude, tanks, f.o.b. New York.....	33.1	16.2	23.3	27.7	27.9
Corn oil, crude, tank cars, f.o.b. Decatur.....	26.3	18.5	21.5	23.6	21.0
Cottonseed oil, crude, tank cars, f.o.b. Valley ²	29.2	17.6	17.7	22.0	20.0
Linseed oil, raw, tank cars, Minneapolis.....	32.5	28.4	24.8	32.6	40.4
Margarine, yellow quarters, f.o.b. Chicago.....	47.3	35.4	36.9	48.3	49.1
Palm oil, U.S. ports, refined.....	27.2	14.4	17.3	21.4	17.9
Rapeseed oil, refined (denatured), tanks, New York.....	61.0	60.2	64.2	64.4	78.5
Safflower oil, tanks, New York.....	51.7	49.3	52.1	52.5	54.7
Soybean oil, crude, tank cars, f.o.b. Decatur ²	29.5	18.0	15.4	22.7	21.1
Sunflower oil, crude, Minneapolis ²	30.0	19.1	16.0	23.6	22.7
Tallow, inedible, number delivered Chicago.....	14.3	9.0	14.9	16.6	14.7
Tung oil, imported, drums, f.o.b. New York.....	63.7	39.4	53.4	51.7	41.0

¹ Preliminary. ² Soybean, cottonseed, and sunflower seed oil prices on October-September crop year.

Economic Research Service. Compiled from the Chemical Marketing Reporter, the National Provisioner, the Wall Street Journal, and the U.S. Department of Labor.

CHAPTER IV

STATISTICS OF VEGETABLES AND MELONS

This chapter contains statistics on potatoes, sweet potatoes, and commercial vegetables and melons.

For potatoes and sweet potatoes, the estimates of area, production, value, and farm disposition pertain to the total crop and include quantities produced both for sale and for use on farms where grown. Potato statistics are shown on a within-year seasonal grouping of winter, spring, summer, and fall crops, by States. Some States have production in more than one seasonal group.

For processing vegetables, the estimates of area, production, and value for each of 5 crops relate to production used by commercial canners, freezers, and other processors, except dehydrators. These estimates include raw products grown by processors themselves and those grown under contract or purchased on the open market. This production and the actual area harvested are not duplicated in the fresh market estimates for the same commodities. The production of those vegetables used for processing for which regular processing estimates are not made is included in the fresh market estimates. However, with the vegetable program modifications implemented in 1973, the processed segment of production for asparagus, broccoli, carrots, and cauliflower, which was combined with fresh market production during the year, is published at the end of the season. Annual production, price, and value estimates for the portion processed are published beginning with 1973. In 1982, processing estimates for asparagus, beets, cabbage for kraut, cucumbers for pickles, lima beans and spinach were discontinued. Asparagus and cucumbers for pickles were reinstated in 1984.

Seasonal Groups and Marketing Period

Prospective Area For Harvest

Winter: January, February, March

Summer: July, August, September

Spring: April, May, June

Fall: October, November, December

Annual Acreage, Yield, Production, and Value

The seasonal patterns of harvest do not correspond precisely in all States to the estimating period or periods designated. In some cases, only one seasonal group is shown for a State, but marketing may be active in earlier or later months. Because of the small volume from this earlier or later area, the crop estimate has been placed in the seasonal group where the largest portion is harvested.

Commercial vegetables for fresh market include 10 principal vegetables and melon crops in the major producing States. Earlier years include the following additional crops: artichokes, lima beans, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peas, green peppers, spinach, and watermelon. These estimates relate to crops which are grown primarily for sale, and they do not include vegetables and melons produced in farm and nonfarm gardens. The bulk of the production of the principal vegetable and melon crops is for consumption in the fresh state. However, quantities used by processors of celery and onions are included, and separate estimates of commercial processing are not made for these crops. The commercial estimates of the principal crops include local market production from areas near consuming centers as well as production from well recognized commercial areas which specialize in producing supplies for shipment to distant markets.

For fresh market vegetables and melons, value per unit and total value are on a f.o.b. basis. For processed vegetables, value per unit and total value are at processing plant door.

Table 197.—Vegetables, commercial: Area, production, and value of principal crops, United States, 1975-89

Year	Area ¹			Production ⁴			Value ⁵		
	For fresh market ²	For processing ³	Total	For fresh market ²	For processing ³	Total	For fresh market ²	For processing ³	Total
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975	1,542,110	1,874,480	3,416,590	11,993,700	13,533,250	25,526,950	2,159,168	1,036,635	3,195,803
1976	1,577,350	1,624,640	3,201,990	12,509,950	11,048,850	23,558,800	2,260,078	786,606	3,046,684
1977	1,578,830	1,638,120	3,216,950	12,741,050	12,612,450	25,353,500	2,351,737	945,180	3,296,917
1978	1,643,650	1,611,960	3,255,610	13,140,000	11,323,490	24,463,490	2,786,530	874,768	3,661,298
1979	1,645,520	1,652,480	3,298,000	13,480,750	12,576,010	26,056,760	2,931,404	1,030,239	4,011,643
1980	1,617,770	1,427,130	3,044,900	13,339,650	10,806,620	24,146,270	3,193,362	864,449	4,057,811
1981	1,617,950	1,353,540	2,971,490	13,858,450	10,416,530	24,274,980	3,700,690	904,896	4,605,586
1982 *	939,350	1,250,440	2,189,790	10,360,150	11,179,590	21,539,740	2,648,660	909,738	3,558,398
1983 *	935,350	1,197,350	2,132,700	9,905,400	10,270,050	20,175,450	2,863,593	800,600	3,664,193
1984 *	1,071,930	1,369,760	2,441,690	10,803,700	12,013,020	22,816,720	3,102,955	1,015,042	4,117,997
1985	1,070,740	1,391,780	2,462,520	10,859,650	11,791,860	22,651,510	2,926,791	1,023,933	3,950,724
1986	1,069,730	1,239,200	2,308,930	10,809,700	11,621,740	22,431,440	3,221,498	928,191	4,149,689
1987	1,122,320	1,312,260	2,434,580	11,683,900	12,235,130	23,919,020	3,630,350	942,046	4,572,396
1988	1,128,350	1,341,540	2,469,890	12,127,800	11,383,320	23,511,120	3,876,942	898,555	4,775,497
1989 *	1,144,800	1,474,970	2,619,770	12,758,900	14,450,860	27,209,760	4,182,834	1,239,804	5,422,638

¹ Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested. ² Area, production, and farm value of the following 22 crops for which regular seasonal estimates are prepared in major producing States: Artichokes, asparagus, snap beans, broccoli, Brussels sprouts, cabbage, cantaloups, carrots, cauliflower, celery, sweet corn, cucumbers, eggplant, escarole/endive, garlic, honeydew melons, lettuce, onions, green peppers, spinach, tomatoes, and watermelons.

³ Area, production, and farm value of the following 9 crops in all States: Lima beans, snap beans, beets, cabbage (sauerkraut), sweet corn, cucumbers (pickles), green peas, spinach, and tomatoes. Production of other vegetables processed included in fresh market series of estimates. ⁴ Production for fresh market excludes some quantities not marketed because of low prices or other economic factors. ⁵ Value for all fresh market vegetables, except garlic, on f.o.b. basis. For processing vegetables, value at processing plant door.

⁶ Beginning with crop year 1982, acreage, yield, production, price and value estimates have been discontinued for the following crops—fresh market vegetables: Artichokes, asparagus, snap beans, Brussels sprouts, cabbage, cantaloups, cucumbers, eggplant, escarole/endive, garlic, green peppers, spinach, and watermelons; processing vegetables: Lima beans, beets, cabbage (sauerkraut), cucumbers (pickles), spinach, and asparagus. Estimates for these crops are not in *Agricultural Statistics*.

⁷ Due to program modification, 1983 data are not comparable with 1982 and earlier or 1984 and later for fresh market vegetables. ⁸ Estimates for asparagus and cucumbers for pickles reinstated with the 1984 crop.

* Preliminary.

National Agricultural Statistics Service.

Table 198.—Vegetables, commercial: Area of principal crops, by States, 1987-89 ¹

State	For fresh market ²			For processing ⁴			Total		
	1987	1988	1989 ³	1987	1988	1989 ³	1987	1988	1989 ³
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
AL.....	9,000	6,600	6,000	3,230	1,300	2,670	12,230	7,900	8,670
AZ.....	58,200	64,900	66,900				58,200	64,900	66,900
AR.....	1,000	1,100	1,000	3,920	5,400	5,400	4,920	6,500	6,400
CA.....	530,100	541,400	551,300	227,000	238,800	292,700	757,100	780,200	844,000
CO.....	20,300	20,800	20,800	1,890	2,180	1,490	22,190	22,980	22,290
CT.....	4,400	4,000	4,000				4,400	4,000	4,000
DE.....				20,900	17,500	20,570	20,900	17,500	20,570
FL.....	137,300	139,300	135,600	5,150	8,050	6,000	142,450	147,350	141,600
GA.....	2,900	2,900	7,400	2,800	2,400	4,500	5,700	5,300	11,900
HI.....	770	610	510				770	610	510
ID.....	7,700	7,600	7,400	27,230	29,040	31,440	34,930	36,640	38,840
IL.....	5,000	5,620	5,900	48,480	56,300	80,900	53,480	61,920	86,800
IN.....	2,200	1,500	1,700	15,800	16,300	16,600	18,000	17,800	18,300
IA.....				4,290	5,840	11,270	4,290	5,840	11,270
LA.....	370	380	340		440	950	370	820	1,290
ME.....									
MD.....	2,740	2,690	2,810	14,200	17,000	14,570	16,940	19,690	17,380
MA.....	7,680	7,770	8,350	400	350	300	8,080	8,120	8,650
MI.....	56,200	53,600	57,100	51,000	51,700	54,300	107,200	105,300	111,400
MN.....	4,350	3,900	4,270	194,430	204,490	186,820	198,780	208,390	191,090
MO.....									
NJ.....	21,600	20,300	17,900	12,680	10,180	8,870	34,280	30,480	26,770
NM.....	8,300	9,200	9,500				8,300	9,200	9,500
NY.....	49,290	46,320	46,630	68,400	65,580	65,550	117,690	111,900	112,180
NC.....	7,700	5,700	5,100	25,290	26,300	27,340	32,990	32,200	32,440
OH.....	22,320	16,100	16,890	20,770	21,840	21,400	43,090	37,940	38,240
OK.....									
OR.....	23,900	24,050	24,500	94,400	88,400	107,700	118,300	112,450	132,200
PA.....	22,400	20,600	21,100	14,200	13,500	12,200	36,600	34,100	33,300
SC.....	3,600	3,700	3,600	13,590	11,540	11,510	17,190	15,240	15,110
TN.....	3,900	3,900	3,600	5,400	6,060	5,400	9,300	9,960	9,000
TX.....	49,500	53,100	53,200	14,300	18,300	27,500	63,800	71,400	80,700
UT.....	1,700	1,800	1,900	2,330	2,300	2,400	4,030	4,100	4,300
VA.....	5,200	5,100	5,000	3,320	1,900	4,820	8,520	7,000	9,820
WA.....	48,000	49,400	49,900	88,900	99,600	109,700	136,900	149,000	159,600
WV.....									
WI.....									
Other States ⁵	4,700	4,500	4,600	316,900	307,900	326,200	321,600	312,400	330,800
US.....	1,122,320	1,128,350	1,144,800	1,312,260	1,341,540	1,474,970	2,434,580	2,469,890	2,619,770

¹ Area for fresh market is area for harvest. Area for processing is area harvested. ² Area of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes. ³ Preliminary. ⁴ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁵ 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1989—Arizona, Kentucky, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 199.—Vegetables, commercial: Production of principal crops, by States, 1987-89

State	For fresh market ¹			For processing ²			Total		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Tons
AL.....	38,150	26,600	24,450	5,240	2,080	3,500	43,390	28,680	27,950
AZ.....	779,100	784,250	756,700				779,100	784,250	756,700
AR.....	14,500	15,950	7,000	8,560	11,160	19,200	23,060	27,110	26,200
CA.....	6,121,800	6,416,800	6,914,550	6,784,170	6,639,780	8,662,340	12,905,970	13,056,580	15,576,890
CO.....	320,250	359,350	360,750	20,100	28,620	14,170	340,350	720,100	374,920
CT.....	15,600	13,200	12,800				15,600	13,200	12,800
DE.....				58,790	53,070	62,930	58,790	53,070	62,930
FL.....	1,385,700	1,545,200	1,483,300	35,780	51,100	33,010	1,421,480	1,596,300	1,516,310
GA.....	15,950	26,100	58,750	7,570	8,700	15,210	23,520	34,800	73,960
HI.....	7,000	5,750	4,400				7,000	5,750	4,400
ID.....	231,000	201,400	199,800	185,540	183,370	203,500	416,540	384,770	403,300
IL.....	17,700	17,400	22,600	234,840	192,860	360,470	252,540	210,260	383,070
IN.....	10,100	8,450	11,000	198,420	189,420	198,640	208,520	197,870	209,640
IA.....				45,400	39,960	69,890	45,400	39,960	69,890
LA.....	2,200	2,300	1,550		1,400		2,200	2,300	1,550
MD.....	24,150	17,050	16,500	80,680	81,430	61,180	104,830	98,480	77,680
MA.....	38,200	38,000	39,350	6,250	6,370	6,000	44,450	44,370	45,350
MI.....	323,300	304,000	326,400	334,890	287,070	353,970	658,190	591,070	680,370
MN.....	37,650	19,700	42,000	857,580	616,090	791,450	895,230	635,790	833,450
NJ.....	107,650	86,300	72,150	80,940	57,560	48,080	188,580	143,860	120,230
NM.....	144,450	169,800	173,500				144,450	169,800	173,500
NY.....	365,900	321,850	372,350	317,870	201,650	233,280	683,770	523,500	605,630
NC.....	34,950	23,400	24,700	85,210	101,290	88,270	120,160	124,690	112,970
OH.....	127,900	79,250	116,650	415,310	396,080	431,070	543,210	475,330	547,720
OR.....	427,150	411,600	430,400	528,390	542,700	646,360	955,540	954,300	1,076,760
PA.....	82,650	77,500	112,700	57,400	53,000	62,650	88,350	130,500	175,350
SC.....	44,100	74,000	70,200	40,650	41,040	38,690	84,750	115,040	108,890
TN.....	35,100	35,100	25,200	10,800	9,000	10,300	45,900	44,100	35,500
TX.....	388,550	473,550	452,750	68,160	84,360	107,610	456,710	557,910	560,360
UT.....	41,250	34,200	42,300	9,210	7,890	7,270	50,460	42,090	49,570
VA.....	40,300	71,400	65,250	9,150	14,600	18,730	49,450	86,000	83,980
WA.....	357,300	386,000	416,050	509,710	538,600	591,790	867,010	924,600	1,007,840
WI.....	104,300	82,350	102,800	1,209,860	919,690	1,272,390	1,314,160	1,002,040	1,375,190
Other States ⁴				28,660	23,380	36,210	28,660	23,380	36,210
US.....	11,683,900	12,127,800	12,758,900	12,235,130	11,383,320	14,450,860	23,919,030	23,511,120	27,209,760

¹ Production of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

² Preliminary. ³ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁴ 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1988-89—Arizona, Kentucky, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 200.—Vegetables, commercial: Value of principal crops, by States, 1987-89

State	For fresh market ¹			For processing ²			Total		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	11,125	9,233	9,996	1,103	408	821	12,228	9,641	10,817
AZ.....	211,751	364,087	234,661				211,751	364,087	234,661
AR.....	9,193	13,877	4,956	1,396	1,964	2,752	10,589	15,841	7,708
CA.....	1,862,302	1,921,921	1,977,956	400,084	404,904	586,198	2,262,386	2,326,825	2,564,154
CO.....	66,431	71,693	77,758	2,753	2,899	1,821	69,184	74,592	79,579
CT.....	4,711	5,095	5,888				4,711	5,095	5,888
DE.....				7,008	6,155	8,472	7,008	6,155	8,472
FL.....	647,055	651,583	931,800	8,404	12,219	7,829	655,459	663,802	939,629
GA.....	8,039	11,641	30,232	1,374	1,631	3,146	9,413	13,272	33,378
HI.....	4,900	5,033	4,334				4,900	5,033	4,334
ID.....	37,638	36,645	39,230	12,866	12,459	15,160	50,504	49,104	54,390
IL.....	4,366	6,235	9,109	20,160	19,449	42,389	24,526	25,684	51,498
IN.....	5,175	5,266	6,081	17,611	18,180	18,687	22,786	23,406	24,768
IA.....				2,913	2,632	5,078	2,913	2,632	5,078
LA.....	1,967	2,024	1,178		189	329	1,967	2,213	1,507
ME.....									
MD.....	11,059	11,454	8,389	8,725	9,416	8,786	19,784	20,870	17,175
MA.....	18,221	17,369	20,700	750	790	816	18,971	18,159	21,516
MI.....	79,178	90,147	87,684	38,359	35,266	45,961	117,537	125,413	133,645
MN.....	6,453	4,841	6,132	66,750	46,918	72,015	73,203	51,759	78,147
MO.....									
NJ.....	32,741	31,721	30,569	8,929	6,795	6,361	41,670	38,516	36,930
NM.....	39,518	28,483	50,651				39,518	28,483	50,651
NY.....	113,618	105,762	114,288	29,714	20,588	28,018	143,332	126,350	142,306
NC.....	8,937	7,624	7,707	16,703	20,985	19,702	25,640	28,609	27,409
OH.....	35,272	23,444	37,854	34,779	32,970	37,973	70,051	56,414	75,827
OK.....									
OR.....	84,691	86,998	96,547	55,397	58,887	77,806	140,088	145,885	174,353
PA.....	25,009	28,715	47,509	6,261	6,060	7,809	31,270	34,775	55,318
SC.....	17,816	26,936	24,851	7,668	8,760	8,271	25,484	35,696	33,122
TN.....	16,146	19,656	12,600	2,106	1,815	2,298	18,252	21,471	14,898
TX.....	144,164	128,038	125,451	13,606	17,784	22,770	157,770	145,822	148,221
UT.....	5,872	4,816	6,339	1,285	1,081	1,156	7,157	5,897	7,495
VA.....	17,235	43,504	43,176	1,173	1,771	3,050	18,408	45,275	46,226
WA.....	85,879	102,060	117,412	52,745	52,651	64,978	138,624	154,711	182,390
WV.....									
WI.....	13,594	11,081	11,796	116,578	88,814	132,289	130,172	99,895	144,085
Other States ⁴				4,846	4,415	7,063	4,846	4,415	7,063
US.....	3,630,056	3,876,942	4,182,834	942,046	898,855	1,239,804	4,572,102	4,775,797	5,422,638

¹ Value of the following crops for which regular seasonal estimates are prepared in major producing States: Asparagus, broccoli, carrots, cauliflower, celery, sweet corn, honeydew melons, lettuce, onions, and tomatoes.

² Preliminary. ³ Includes snapbeans, sweet corn, cucumbers for pickles, green peas, and tomatoes. Other vegetables processed (dual purpose) included in fresh market series of estimates. ⁴ 1987—Arizona, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Mexico, and Oklahoma. 1989—Arizona, Kentucky, Maine, Mississippi, Missouri, and Oklahoma.

National Agricultural Statistics Service.

Table 201.—Asparagus, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1975-89

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value ¹		Production	Value ¹		Production	Value ²	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	102,570	21	2,141	28.70	61,436	874	34.00	29,695	63,350	501.00	31,741
1976.....	92,580	25	2,302	31.30	72,122	919	38.10	35,025	69,150	536.00	37,097
1977.....	87,520	25	2,200	36.90	81,218	733	47.00	34,427	73,350	638.00	46,791
1978.....	83,830	22	1,861	43.70	81,256	701	52.20	36,559	58,000	771.00	44,697
1979.....	80,660	24	1,911	51.50	98,366	640	64.40	41,214	63,500	900.00	57,152
1980.....	82,950	20	1,671	49.10	82,118	784	58.10	45,535	44,410	824.00	36,583
1981.....	81,990	21	1,712	58.50	100,157	819	70.50	57,749	44,640	950.00	42,408
1982 ³											
1983 ³											
1984 ⁴	89,930	21	1,896	61.40	116,501	1,043	73.70	76,900	42,690	928.00	39,601
1985.....	91,450	23	2,136	64.40	137,492	1,152	79.30	91,343	49,210	938.00	46,149
1986.....	96,180	23	2,230	61.40	136,969	1,387	70.60	97,941	42,080	927.00	39,028
1987.....	99,840	24	2,347	57.80	135,705	1,388	65.60	91,102	47,880	932.00	44,603
1988.....	100,910	24	2,422	62.80	152,108	1,481	70.50	104,387	47,030	1,010.00	47,721
1989 ⁵	98,510	25	2,495	60.00	149,622	1,492	68.20	101,760	50,140	955.00	47,862

¹ Price and value on F.O.B. basis. ² Price and value at processing plant door. ³ Data not available.⁴ Estimates reinstated with 1984 crop. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 202.—Asparagus, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987-89

State	Area Harvested ¹			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
CA.....	39,700	40,100	37,500	1,191	1,163	1,088	62.80	71.70	66.20
IL.....	700	820	800	10	12	13	72.00	68.80	69.20
MI.....	22,000	22,500	23,000	242	248	253	58.60	59.00	58.40
NJ.....	1,800	1,700	1,500	32	34	38	65.30	66.50	64.80
WA.....	31,000	32,000	32,000	806	896	1,024	49.90	52.70	53.80
Other States ³	4,640	3,790	3,710	66	69	79	56.40	54.40	56.00
US.....	99,840	100,910	98,510	2,347	2,422	2,495	57.80	62.80	60.00

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA.....	1,055			66.10			6,780			739.00		
MI.....	40	42	33	66.40	68.90	68.00	10,100	10,300	11,000	1,140.00	1,140.00	1,140.00
NJ.....	32	34	38	65.30	66.50	64.80						
WA.....	237	252	324	63.30	62.20	73.30	28,440	32,200	35,000	888.00	979.00	895.00
Other States ⁴	24	1,153	1,097	67.40	72.50	66.80	2,560	4,530	4,140	1,100.00	983.00	965.00
US.....	1,388	1,481	1,492	65.60	70.50	68.20	47,880	47,030	50,140	932.00	1,010.00	955.00

¹ Asparagus for fresh market and for processing is frequently harvested from the same area; therefore it is not practical to make individual area estimates for these segments. ² Preliminary. ³ Indiana, Maryland, Minnesota, and Oregon. ⁴ Illinois, Indiana, Maryland, Minnesota, and Oregon.

National Agricultural Statistics Service.

Table 203.—Beans, snap (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1975-89

Year	Area harvested	Yield per acre	Production	Value ¹		Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total					Per ton	Total
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dol-lars</i>	<i>1,000 dol-lars</i>		<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dol-lars</i>	<i>1,000 dol-lars</i>
1975	273,580	2.43	665,200	153.00	102,096	1983	196,730	2.99	587,410	160.00	94,252
1976	237,170	2.49	590,700	139.00	81,895	1984	216,640	3.07	666,110	171.00	113,935
1977	257,640	2.62	675,450	145.00	98,170	1985	222,160	3.16	702,490	169.00	118,799
1978	280,350	2.56	716,600	146.00	104,630	1986	190,560	3.20	609,400	160.00	97,262
1979	285,420	2.69	769,130	153.00	117,869	1987	224,010	3.06	685,830	160.00	109,609
1980	255,690	2.75	704,230	156.00	110,034	1988	217,650	2.70	588,280	168.00	98,628
1981	218,300	3.08	672,170	166.00	111,394	1989 ²	249,000	3.49	869,700	174.00	151,379
1982	204,410	3.15	643,860	166.00	106,610						

¹ Price and value at processing plant door. ² Preliminary.

National Agricultural Statistics Service.

Table 204.—Beans, snap (for processing), commercial crop: Area, production, and value per ton, by States, 1987-89

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AR	3,000	3,600	2,700	6,630	6,410	6,210	164.00	186.00	253.00
CA		9,500	24,800		30,880	82,090		181.00	216.00
IL	5,800	6,200	4,600	15,890	17,670	14,630	190.00	203.00	229.00
MI	19,500	21,000	21,500	42,900	37,800	62,350	149.00	175.00	166.00
MN	5,200	5,400	5,900	17,420	13,390	22,660	146.00	138.00	111.00
NY	28,600	28,000	25,200	70,640	52,920	69,550	165.00	161.00	188.00
OR	20,300	21,700	25,700	117,940	125,210	173,990	178.00	174.00	176.00
PA	6,600	6,400	5,700	13,200	11,970	14,540	195.00	213.00	226.00
TN	5,400	6,000	5,200	10,800	8,400	9,100	195.00	210.00	240.00
WA	1,100	800	1,100	4,960	3,660	4,790	198.00	193.00	184.00
WI	88,700	82,800	82,500	279,410	209,480	281,330	143.00	151.00	152.00
Other States ²	39,810	26,250	44,100	106,040	70,490	128,460	173.00	182.00	179.00
Total	224,010	217,650	249,000	685,830	588,280	869,700	160.00	168.00	174.00

¹ Preliminary. ² 1987—Alabama, California, Delaware, Florida, Georgia, Idaho, Illinois, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1988—Alabama, California, Delaware, Florida, Georgia, Idaho, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia. 1989—Alabama, Arkansas, California, Delaware, Florida, Idaho, Iowa, Louisiana, Maryland, Missouri, New Jersey, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Utah, and Virginia.

National Agricultural Statistics Service.

Table 205.—Broccoli, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1975-89 ¹

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production ²	Value ³		Production	Value ³		Production	Value ⁴	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	1,000 cwt.	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1975.....	49,650	79	3,940	15.10	59,444	2,035	17.40	35,376	95,250	253.00	24,068
1976.....	52,800	81	4,289	15.90	68,204	2,234	19.00	42,495	102,750	250.00	25,709
1977.....	70,890	80	5,694	16.30	92,748	2,572	19.70	50,562	156,100	270.00	42,186
1978.....	68,300	79	5,399	18.10	97,619	2,647	21.70	57,330	137,600	293.00	40,289
1979.....	70,900	89	6,301	19.20	120,913	3,255	22.20	72,286	152,300	319.00	48,627
1980.....	77,850	87	6,753	21.40	144,613	3,795	23.50	89,327	147,900	374.00	55,286
1981.....	78,520	96	7,522	23.30	175,132	4,517	26.30	118,645	150,240	376.00	56,487
1982.....	92,000	96	8,819	24.00	211,248	5,414	26.70	144,799	170,220	390.00	66,449
1983 ⁵	91,500	91	8,326	25.30	210,250	5,582	28.20	157,426	137,220	385.00	52,824
1984.....	106,500	97	10,282	23.10	237,762	6,740	25.10	168,846	177,090	389.00	68,916
1985.....	109,500	97	10,627	22.50	239,345	7,154	24.20	173,053	173,660	382.00	66,292
1986.....	119,100	97	11,529	20.80	239,739	8,442	21.90	184,665	154,350	357.00	55,074
1987.....	121,700	95	11,510	20.80	239,548	8,599	21.90	188,241	145,540	353.00	51,307
1988.....	114,400	112	12,792	22.80	292,240	10,022	24.00	240,431	138,480	374.00	51,809
1989 ⁶	116,800	116	13,513	20.40	276,050	10,744	21.00	225,472	138,450	365.00	50,578

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. ² Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundred-weight): 22 in 1973. ³ Price and value on f.o.b. basis. ⁴ Price and value at processing plant door. ⁵ Due to program modifications, 1983 data are not comparable with 1982 and earlier or 1984 and later data. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 206.—Broccoli, commercial crop: Area, production, and value per hundredweight, and per ton, by States, 1987-89 ¹

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	Acres	Acres	Acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.
AZ.....	4,200	4,300	5,400	382	391	540	21.80	24.80	20.60
CA.....	107,600	101,100	101,600	10,330	11,626	12,192	20.60	22.90	20.00
OR.....	3,000	2,800	3,100	315	260	285	19.50	23.20	22.10
TX.....	6,900	6,200	6,700	483	515	496	25.90	20.60	29.60
US.....	121,700	114,400	116,800	11,510	12,792	13,513	20.80	22.80	20.40

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	Dollars per cwt.	Dollars per cwt.	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
AZ.....	382	391	540	21.80	24.80	20.60						
CA.....	7,830	9,166	9,792	21.40	23.90	20.40	125,000	123,000	120,000	360.00	381.00	368.00
Other States ³	387	465	412	31.90	25.10	35.40	20,540	15,480	18,450	307.00	320.00	348.00
US.....	8,599	10,022	10,744	21.90	24.00	21.00	145,540	138,480	138,450	353.00	374.00	365.00

¹ Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. ² Preliminary. ³ Includes Oregon and Texas in "For fresh market;" includes Oregon and Texas in "For processing."

National Agricultural Statistics Service.

Table 207.—Carrots, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987–89

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ	2,000	1,900	1,400	400	238	238	10.50	10.20	15.70
CA	50,000	51,100	57,600	16,000	16,097	17,856	10.10	12.20	12.20
CO	1,300	1,400	1,400	449	504	532	7.60	8.40	8.35
FL	12,100	12,200	9,400	1,065	1,183	940	10.80	11.40	16.00
MI	7,000	6,700	6,800	1,925	1,709	1,666	7.36	12.50	8.43
MN	1,500	1,400	1,800	540	245	657	5.91	9.37	5.38
NY	1,200	1,200	2,600	432	420	1,144	12.90	9.60	5.83
OR	800	950	1,300	380	513	748	9.08	10.50	9.20
TX	11,500	10,000	9,900	2,185	1,800	1,683	8.61	9.59	11.60
WA	6,200	5,600	6,300	2,852	2,912	3,276	3.80	5.98	4.40
WI	3,500	3,200	3,300	1,750	1,296	1,568	6.00	5.91	5.44
Other States ²	2,500	1,900	1,800	742	483	630	2.95	3.11	3.11
US	99,600	97,550	103,600	28,720	27,400	30,938	8.66	10.70	10.30

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ	400	238	238	10.50	10.20	15.70						
CA	14,600	14,577	15,356	10.60	13.00	13.70	70,000	76,000	125,000	86.50	83.50	64.70
CO	449	504	532	7.60	8.40	8.35						
FL	1,065	1,183	940	10.80	11.40	16.00						
MI	1,150	1,139	978	10.40	17.20	12.50	38,760	28,480	34,380	56.80	60.60	53.00
MN	245	105	333	10.00	17.00	7.50	14,750	7,000	16,200	50.20	73.00	64.00
NY	148	100	124	31.80	29.90	26.80	14,200	16,000	51,000	59.80	65.00	65.70
OR	125	205	410	22.50	22.50	15.00	12,750	15,390	16,910	49.90	49.40	43.40
TX	1,975	1,575	1,323	9.26	10.80	14.00	10,500	11,250	18,000	50.00	23.00	53.00
WA	519	678	739	11.90	16.80	10.50	116,660	111,720	126,850	39.90	53.90	52.40
Other States ³	220	108	112	24.10	28.00	28.00	113,600	83,550	104,320	65.10	73.40	70.40
US	20,896	20,412	21,085	10.80	13.20	13.60	391,220	349,390	492,660	58.90	65.20	60.80

¹ Preliminary. ² New Jersey and Ohio. ³ New Jersey, Ohio, and Wisconsin.
National Agricultural Statistics Service.

Table 208.—Carrots, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1975-89

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production ¹	Value ²		Production	Value ²		Production	Value ³	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	70,080	271	19,016	6.88	130,891	12,423	9.38	116,516	329,650	43.60	14,375
1976.....	73,460	262	19,278	5.88	113,371	12,353	8.08	99,785	346,250	39.20	13,586
1977.....	69,630	277	19,271	7.20	138,664	10,735	11.20	120,026	426,800	43.70	18,638
1978.....	76,770	258	19,824	6.74	133,603	11,374	10.00	114,275	422,520	45.70	19,328
1979.....	86,040	257	22,124	7.16	158,376	12,880	10.60	136,863	462,200	46.50	21,513
1980.....	81,800	255	20,888	8.33	173,905	13,704	11.30	154,853	359,170	53.00	19,052
1981.....	84,350	259	21,831	9.11	198,961	14,511	12.30	178,758	365,960	55.20	20,203
1982.....	86,850	277	24,081	8.68	208,985	15,685	11.90	185,897	419,830	55.00	23,088
1983 ⁴	87,300	265	23,106	9.37	216,422	15,234	12.70	192,886	393,570	59.80	23,536
1984.....	93,740	252	23,606	10.60	249,761	15,616	14.40	224,240	399,520	63.90	25,521
1985.....	89,800	254	22,772	9.05	206,190	15,345	11.90	182,265	371,370	64.40	23,925
1986.....	86,600	272	23,540	10.00	236,476	16,060	13.30	213,141	373,970	62.40	23,335
1987.....	99,600	288	28,720	8.66	248,626	20,896	10.80	225,570	391,220	58.90	23,056
1988.....	97,550	281	27,400	10.70	292,849	20,412	13.20	270,052	349,390	65.20	22,797
1989 ⁵	103,600	299	30,938	10.30	317,186	21,085	13.60	287,210	492,660	60.80	29,976

¹ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 170 in 1975, 243 in 1976, 5 in 1977, and 37 in 1978. ² Price and value on f.o.b. basis. ³ Price and value at processing plant door. ⁴ Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 209.—Cauliflower, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, 1975-89¹

Year	Total crop					For fresh market			For processing		
	Area for harvest	Yield per acre	Production	Value ²		Production	Value ²		Production	Value ³	
				Per cwt.	Total		Per cwt.	Total		Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	31,880	94	2,987	15.20	45,320	1,744	20.00	34,816	62,150	169.00	10,504
1976.....	33,500	92	3,071	16.80	51,714	1,989	21.30	42,381	54,100	173.00	9,333
1977.....	37,210	99	3,674	17.50	64,434	2,113	23.20	49,119	78,050	196.00	15,315
1978.....	41,450	92	3,808	18.20	69,154	1,817	26.40	47,983	99,550	213.00	21,171
1979.....	42,750	96	4,117	19.70	81,121	2,627	25.20	66,137	74,530	201.00	14,984
1980.....	45,320	98	4,255	22.50	95,762	2,801	28.20	79,043	72,720	230.00	16,719
1981.....	46,020	113	5,209	24.10	125,307	3,477	30.00	104,358	86,590	242.00	20,949
1982.....	51,400	104	5,370	24.50	131,336	3,420	31.20	106,720	97,530	252.00	24,616
1983 ⁴	54,600	99	5,414	25.80	139,920	3,704	32.00	118,395	85,510	252.00	21,525
1984.....	60,800	110	6,688	26.20	174,931	4,817	31.10	150,031	93,560	286.00	24,900
1985.....	61,200	109	6,664	25.40	169,133	4,904	29.80	145,955	87,940	264.00	23,178
1986.....	67,800	111	7,527	25.50	191,833	5,906	28.80	170,020	81,060	269.00	21,843
1987.....	66,100	112	7,375	25.40	187,555	5,928	28.30	167,728	72,330	274.00	19,827
1988.....	62,800	125	7,874	25.70	202,113	6,500	28.10	182,972	68,690	279.00	19,141
1989 ⁵	67,700	116	7,846	25.90	203,190	6,653	28.10	187,169	59,630	269.00	16,021

¹ Includes heading (cauliflower) broccoli. ² Price and value on f.o.b. basis. ³ Price and value at processing plant door. ⁴ Due to program modifications, 1983 data are not comparable with 1982 and earlier and 1984 and later data. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 210.—Cauliflower, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987-89 ¹

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ.....	6,400	6,100	6,800	800	641	782	27.40	31.10	28.10
CA.....	51,100	48,000	52,500	5,621	6,240	6,038	26.20	25.90	26.40
MI.....	1,200	1,100	1,200	72	61	72	28.80	39.00	33.00
NY:									
Long Island.....	1,600	1,500	1,300	160	180	150	25.90	26.20	28.60
Upstate.....	1,500	1,600	1,400	158	152	168	26.30	24.90	31.10
OR.....	3,600	3,000	3,000	504	495	540	14.50	15.70	15.60
TX.....	700	1,500	1,500	60	105	96	13.20	18.90	15.40
US.....	66,100	62,800	67,700	7,375	7,874	7,846	25.40	25.70	25.90

State	For fresh market						For processing					
	Production			Value per unit			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
AZ.....	800	641	782	27.40	31.10	28.10						
CA.....	4,661	5,340	5,378	28.40	27.60	27.80	48,000	45,000	33,000	308.00	314.00	300.00
Other States ³	467	519	493	28.80	30.20	31.80	24,330	23,690	26,630	207.00	212.00	230.00
US.....	5,928	6,500	6,653	28.30	28.10	28.10	72,330	68,690	59,630	274.00	279.00	269.00

¹ Includes heading (cauliflower) broccoli.
National Agricultural Statistics Service.

² Preliminary.

³ Michigan, New York, Oregon, and Texas.

Table 211.—Celery, commercial crop: Area, production, and value per hundredweight, by States, 1987-89 ¹

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
CA:									
Southern Coast.....	11,400	11,500	11,300	6,384	7,073	6,159	12.10	11.00	14.60
Central Coast.....	9,900	8,800	10,500	6,287	6,204	8,453	9.36	11.30	11.20
FL.....	8,600	8,000	8,000	3,612	3,720	3,320	12.00	13.40	15.80
MI.....	3,100	3,100	2,800	1,147	1,178	1,064	11.50	13.70	13.30
NY.....	490	430	430	201	172	172	17.70	21.10	18.40
OH.....	450	350	400	216	140	186	11.30	13.50	11.20
TX ³		1,800	1,900		936	922		12.30	12.60
US.....	33,940	33,980	35,330	17,847	19,423	20,276	11.10	11.90	13.20

¹ Mostly for fresh market use, but includes some quantities used for processing.

² Preliminary.

³ Estimates

begin with 1988 crop.

National Agricultural Statistics Service.

Table 212.—Celery, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1975-89 ¹

Year	Area for harvest	Yield per acre	Production	Value ²		Year	Area for harvest	Yield per acre	Production	Value ²	
				Per cwt.	Total					Per cwt.	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars		Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
1975	31,750	498	15,826	7.46	118,122	1982	36,440	525	19,139	10.20	194,587
1976	33,660	502	16,904	7.89	133,336	1983	34,780	526	18,287	13.70	250,185
1977	33,760	491	16,561	8.51	140,978	1984	35,050	535	18,757	12.20	228,304
1978	36,830	467	17,201	11.90	204,941	1985	33,860	542	18,349	10.30	189,527
1979	35,720	493	17,603	9.15	161,042	1986	33,340	528	17,614	12.00	211,065
1980	37,250	501	18,655	9.11	169,896	1987	33,940	526	17,847	11.10	198,833
1981	36,720	507	18,628	10.80	200,622	1988	33,980	572	19,423	11.90	230,762
						1989 ³	35,330	574	20,276	13.20	268,266

¹ Mostly for fresh market use, but includes quantities used for processing.² Price and value on f.o.b. basis.³ Preliminary.

National Agricultural Statistics Service.

Table 213.—Corn, sweet, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1975-89

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production ¹	Value ²		Area for harvest	Yield per acre	Production	Value ³	
				Per cwt.	Total				Per ton	Total
	Acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars	Acres	Tons	Tons	Dollars	1,000 dollars
1975	179,400	80	14,398	8.41	121,117	508,700	4.70	2,393,100	53.60	128,227
1976	184,100	81	14,921	8.16	121,812	460,980	4.84	2,233,100	48.20	107,703
1977	176,800	81	14,343	8.07	115,775	453,980	5.23	2,376,200	49.60	117,879
1978	181,100	78	14,061	8.84	124,239	429,610	5.67	2,434,700	49.90	121,445
1979	179,800	78	14,033	9.89	138,730	417,640	5.90	2,463,940	51.30	126,439
1980	180,450	79	14,281	10.70	152,890	375,400	5.75	2,158,010	53.70	115,824
1981	183,700	78	14,288	11.60	165,669	401,000	5.93	2,378,170	63.10	150,048
1982	186,100	78	14,435	12.20	176,016	446,900	6.13	2,740,450	61.40	168,165
1983	190,900	78	14,874	12.50	185,737	399,800	5.57	2,227,060	59.80	133,233
1984	193,300	81	15,607	13.10	204,978	427,200	5.97	2,552,170	63.70	162,530
1985	191,100	82	15,754	12.70	200,602	435,300	6.06	2,640,000	63.40	167,297
1986	185,200	81	15,050	13.90	209,318	413,380	6.19	2,559,440	58.90	150,821
1987	194,300	81	15,664	12.90	201,555	430,920	6.65	2,866,630	59.30	169,984
1988	179,100	80	14,311	14.80	212,053	446,200	5.42	2,420,400	60.80	147,070
1989 ⁴	176,600	91	16,031	16.90	271,166	464,450	6.35	2,949,340	66.90	197,267

¹ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 56 in 1978.² Price and value on f.o.b. basis.³ Price and value at processing plant door.⁴ Preliminary.

National Agricultural Statistics Service.

Table 214.—Corn, sweet, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987-89

Utilization and State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
FOR FRESH MARKET	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL.....	5,500	3,500	3,300	413	175	165	12.70	14.00	16.40
CA.....	16,000	18,000	17,500	1,520	1,620	2,013	13.30	15.10	16.10
CO.....	3,500	3,600	3,000	473	504	435	8.85	9.40	12.40
CN.....	4,400	4,000	4,000	312	264	256	15.10	19.30	23.00
FL.....	52,000	53,100	49,700	4,680	5,151	5,219	14.00	14.10	16.90
IL.....	4,300	4,800	5,100	344	336	439	10.60	16.10	18.70
MA.....	7,100	7,200	7,800	639	655	663	15.80	17.70	20.00
MI.....	11,500	9,000	11,800	713	540	802	10.20	16.90	17.50
NJ.....	11,300	10,000	8,600	904	620	533	13.50	16.70	17.80
NY.....	27,200	24,800	24,800	2,094	1,736	1,984	10.40	14.30	15.10
NC.....	6,100	4,300	3,800	427	258	247	9.59	12.70	15.80
OH.....	16,000	10,500	10,700	1,280	578	910	13.00	11.60	14.10
OR.....	2,400	2,300	2,400	276	276	276	18.20	22.40	20.40
PA.....	17,400	15,700	17,100	853	864	1,454	14.50	16.80	20.90
TX.....	4,000	3,000	2,500	200	150	125	12.00	14.00	13.90
VA.....	2,400	2,100	2,000	120	168	210	19.00	18.20	15.80
WA.....	3,200	3,200	2,500	416	416	300	9.31	13.30	12.70
US.....	194,300	179,100	176,600	15,664	14,311	16,031	12.90	14.80	16.90
FOR PROCESSING	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons ²</i>	<i>Tons ²</i>	<i>Tons ²</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	5,400	5,300	6,300	25,490	26,390	34,400	54.60	69.00	68.70
ID.....	17,800	13,200	20,200	166,430	163,800	182,000	53.40	53.90	57.90
IL.....	27,600	30,300	36,100	149,320	119,990	202,520	62.90	69.40	66.50
MD.....	6,300	6,800	4,600	32,510	34,270	24,100	58.00	62.80	73.30
MN.....	112,200	124,200	106,700	729,300	544,000	650,870	56.10	55.60	61.50
NY.....	27,900	25,000	27,700	193,070	95,000	110,800	57.00	55.70	60.80
OR.....	38,900	38,500	45,500	343,880	353,430	394,940	64.20	71.30	80.50
PA.....	3,000	2,800	2,000	10,530	10,390	9,780	50.00	52.40	54.00
WA.....	44,600	49,200	51,200	402,290	430,500	470,530	67.10	64.80	74.50
WI.....	140,000	138,400	152,000	770,000	608,960	810,160	57.50	57.10	63.00
Other States ³	7,220	7,500	12,150	43,810	33,670	59,240	60.10	58.80	66.70
US.....	430,920	446,200	464,450	2,866,630	2,420,400	2,949,340	59.30	60.80	66.90
Grand total.....	625,220	625,300	641,050	3,649,830	3,135,950	3,750,890	102.00	115.00	125.00

¹ Preliminary. ² Tonnage in husk. ³ Indiana, Iowa, Michigan, and New Jersey.
National Agricultural Statistics Service.

Table 215.—Cucumbers, commercial crop: Area, yield, production, value per ton, total value, and pickle stocks, United States, 1975-89

Year	For processing					Pickle stocks on hand Oct. 1 ²
	Area har- vested	Yield per acre	Production	Value ¹		
				Per ton	Total	
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>
1975	140,170	4.81	674,250	129.00	86,730	502,800
1976	128,380	4.94	633,800	126.00	79,751	476,500
1977	123,790	5.04	623,850	126.00	78,651	494,550
1978	134,740	5.09	685,450	130.00	88,814	516,600
1979	131,680	5.08	668,970	145.00	97,186	507,750
1980	116,410	5.23	609,170	166.00	101,264	516,650
1981	97,530	5.90	575,380	175.00	100,629	448,300
1982 ³						
1983 ³						
1984 ⁴	103,580	5.97	618,240	168.00	103,823	
1985	115,200	6.03	694,430	178.00	123,639	528,930
1986	110,510	5.79	639,550	177.00	113,400	522,840
1987	109,630	5.80	635,450	180.00	114,374	462,870
1988	118,870	5.48	651,580	200.00	130,194	461,110
1989 ⁵	124,170	5.18	642,690	204.00	131,082	445,160

¹ Price and value at processing plant door. ² Stocks in hands of original salters of both salt and dill pickles, sold and unsold, in tanks and barrels, on Oct. 1 includes stocks of fresh-pack pickles. ³ Data not available.

⁴ Estimates reinstated with the 1984 crop.

⁵ Preliminary.

National Agricultural Statistics Service.

Table 216.—Cucumbers (for pickles), commercial crop: Area, production, and value per ton, by States, 1987-89

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA	4,100	3,800	4,300	61,500	69,010	52,460	198.00	213.00	247.00
CO	1,300	1,500	1,300	12,510	16,280	10,560	169.00	123.00	140.00
FL	3,900	6,000	2,700	23,400	36,000	14,310	316.00	300.00	365.00
IN	1,100	1,200	1,700	12,240	11,400	15,810	160.00	148.00	133.00
MD	2,200			16,280			203.00		
MI	24,000	23,000	24,500	160,800	126,500	147,000	139.00	156.00	168.00
NJ	560	580	670	4,900	3,490	4,110	194.00	197.00	195.00
NC	24,700	25,900	26,500	84,470	100,490	86,920	196.00	207.00	223.00
OH	4,500	3,900	3,700	46,800	36,270	39,290	178.00	198.00	196.00
OR	1,900	2,200	2,400	22,950	26,620	29,350	157.00	177.00	164.00
SC	13,200	11,200	11,100	38,940	39,760	36,740	192.00	216.00	218.00
TX	9,800	14,100	18,100	47,040	53,580	67,880	236.00	269.00	265.00
WA	1,700	1,400	1,700	16,970	14,310	17,320	180.00	187.00	177.00
WI	5,700	6,800	6,700	45,770	46,920	50,850	163.00	187.00	184.00
Other States ²	10,970	17,290	18,800	40,880	70,950	70,090	160.00	189.00	193.00
US	109,630	118,870	124,170	635,450	651,580	642,690	180.00	200.00	204.00

¹ Preliminary.

² 1987—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Kentucky, Massachusetts, Minnesota, Mississippi, Missouri, Nebraska, and Virginia. 1988-89—Alabama, Arizona, Arkansas, Delaware, Georgia, Idaho, Illinois, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, New York, Tennessee, and Virginia.

National Agricultural Statistics Service.

Table 217.—Honeydew melons, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1975-89

Year	Area for harvest	Yield per acre	Production	Value ¹		Year	Area for harvest	Yield per acre	Production	Value ¹	
				Per cwt.	Total					Per cwt.	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	12,570	191	2,395	9.31	22,286	1983	23,800	165	3,918	13.20	51,540
1976	13,950	168	2,346	10.60	24,916	1984	23,300	173	4,031	13.90	55,894
1977	15,480	167	2,591	9.87	25,561	1985	25,700	185	4,758	12.20	58,055
1978	18,520	184	3,413	9.62	32,846	1986	28,800	189	5,438	12.70	69,132
1979	20,500	170	3,477	10.90	37,761	1987	28,600	168	4,811	14.40	69,293
1980	17,700	180	3,180	13.50	42,864	1988	31,200	168	5,241	14.40	75,341
1981	19,600	174	3,419	15.40	52,581	1989 ²	29,900	171	5,110	12.10	62,082
1982	24,900	152	3,780	14.10	53,111						

¹ Price and value on f.o.b. basis. ² Preliminary.

National Agricultural Statistics Service.

Table 218.—Honeydew melons, commercial crop: Area, production, and value per hundredweight, by States, 1987-89

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ	3,400	2,400	2,100	459	420	315	11.90	17.30	12.00
CA	20,600	21,300	21,300	3,708	3,621	4,047	11.90	13.10	11.80
TX	4,600	7,500	6,500	644	1,200	748	30.60	17.20	14.10
US	28,600	31,200	29,900	4,811	5,241	5,110	14.40	14.40	12.10

¹ Preliminary.

National Agricultural Statistics Service.

Table 219.—Lettuce, commercial crop: Area, production, and value per hundredweight, by States, 1987-89

State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AZ:									
Western	35,200	42,000	44,500	11,616	11,970	11,793	11.50	25.40	15.20
Other	5,700	7,000	5,700	1,340	1,575	1,026	19.60	11.00	10.60
CA	157,100	166,700	168,400	49,487	51,677	57,256	15.10	12.20	11.70
CO	3,000	2,300	2,600	795	644	728	17.40	10.70	13.10
FL	9,300	8,000	8,300	1,767	2,000	1,826	21.10	20.30	19.80
MI	1,000	800	1,100	215	140	209	20.20	18.90	20.40
NJ	2,600	2,600	2,100	364	442	294	13.30	11.60	15.40
NM	2,900	2,800	2,000	783	644	470	11.20	7.82	13.30
NY	3,400	2,600	2,400	680	468	492	14.90	14.60	14.50
OH	1,000	1,400	1,400	130	168	168	44.30	35.00	28.20
TX	2,000	1,800	2,400	390	396	468	14.50	22.10	16.20
WA	1,200	1,400	1,400	240	336	406	14.90	15.30	20.00
Total	224,400	239,400	242,300	67,807	70,460	75,136	14.80	14.70	12.60
HI	520	360	260	70	45	33	27.40	36.40	39.00
US	224,920	239,760	242,560	67,877	70,505	75,169	14.80	14.80	12.60

¹ Preliminary.

National Agricultural Statistics Service.

Table 220.—Lettuce, commercial crop: Area, yield, production, value per hundredweight, and total value, United States, 1975-89

Year	Area for harvest	Yield per acre	Production	Value ¹		Year	Area for harvest	Yield per acre	Production	Value ¹	
				Per cwt.	Total					Per cwt.	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	228,750	235	53,658	6.71	360,313	1982	216,050	291	62,949	12.10	762,846
1976	225,020	249	55,931	8.26	462,262	1983 ²	205,730	281	57,755	12.30	710,934
1977	231,380	259	59,929	6.94	415,951	1984	218,280	293	63,976	10.90	698,120
1978	239,090	252	60,275	9.90	596,908	1985	221,990	276	61,334	10.80	660,855
1979	245,850	249	61,310	9.20	564,113	1986	211,460	276	58,290	12.00	699,273
1980	236,460	268	63,297	8.91	564,064	1987	224,920	302	67,877	14.80	1,003,213
1981	223,840	280	62,649	10.90	681,612	1988	239,760	294	70,505	14.80	1,040,366
						1989 ³	242,560	310	75,169	12.60	949,621

¹ Price and value on f.o.b. basis. ² Due to program modifications, 1983 data are not comparable with 1983 and earlier or 1984 and later data. ³ Preliminary.

National Agricultural Statistics Service.

Table 221.—Onions, commercial crop: Area, yield, production, shrinkage and loss, value per hundredweight, total value, stocks, United States, 1975-89 ¹

Year	Stocks in storage Jan. 1 ²			Area for harvest	Yield per acre	Production ³	Shrinkage and loss	Value ⁴	
	In common storage	In cold storage	Total					Per cwt.	Total
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	5,109	80	5,189	103,080	305	31,418	2,944	9.35	266,230
1976	4,430	89	4,519	109,520	322	35,288	3,335	6.93	217,202
1977	5,156	98	5,254	108,550	319	34,583	4,365	6.76	204,314
1978	5,680	63	5,743	121,920	297	36,174	3,958	7.81	251,495
1979	6,556	66	6,622	123,910	312	38,602	4,576	6.98	237,432
1980	7,752	99	7,851	113,160	296	33,526	3,075	11.40	347,054
1981	6,235	78	6,313	112,030	314	35,155	2,885	14.70	475,470
1982	5,560	35	5,595	125,920	332	41,861	4,553	8.24	307,501
1983				123,640	317	39,166	3,900	12.50	439,297
1984				128,450	335	43,068	3,870	10.60	415,196
1985				122,760	367	45,059	6,799	9.08	347,328
1986				115,540	377	43,615	4,176	11.10	439,239
1987				123,720	365	45,113	4,858	12.50	505,163
1988				128,950	362	46,733	4,272	9.75	413,996
1989 ⁵				132,560	361	47,896	4,433	11.60	502,124

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Grower and local dealer stocks discontinued after 1982. ³ Excludes the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight): 30 in 1976. Includes storage crop onions harvested but not sold because of shrinkage and waste. ⁴ Price and value on f.o.b. basis. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 222.—Onions, commercial crop: Area, production, shrinkage and loss, and value per hundredweight, by States, 1987-89 ¹

Season and State	Area harvested			Production			Shrinkage and loss			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
Spring:												
AZ.....	1,300	1,200	1,000	585	450	440				20.50	7.55	8.90
CA.....	8,200	8,500	7,700	3,198	3,315	3,080				17.50	9.71	11.30
GA ³			4,700			635						27.20
TX.....	12,500	14,000	15,000	2,750	3,220	3,225				25.30	12.00	10.70
Total.....	22,000	23,700	28,400	6,533	6,985	7,380				21.10	10.60	12.30
Summer:												
Non-storage:												
NM.....	5,400	6,400	7,500	2,106	2,752	3,000				14.60	8.52	14.80
TX.....	4,700	4,100	4,000	799	861	1,040				10.40	11.40	18.30
WA.....	1,400	1,600	1,500	532	640	525				12.90	10.70	17.80
Non-storage total.....	11,500	12,100	13,000	3,437	4,253	4,565				13.40	9.43	15.90
Storage:												
CO.....	12,500	13,500	13,800	4,688	5,535	5,520	775	996	994	11.50	12.30	12.90
ID.....	7,700	7,600	7,400	4,620	4,028	3,996	930	538	643	10.20	10.50	11.70
MI.....	7,600	8,000	7,900	1,900	2,000	2,212	412	458	551	12.70	11.00	10.70
MN.....	650	600	670	195	126	161	20	16	19	10.50	9.58	7.25
NY.....	11,600	11,700	11,200	3,248	2,925	2,912	474	474	379	19.10	16.50	16.50
OH.....	470	550	490	139	165	191	20	17	23	15.10	16.00	14.40
OR (Malheur).....	9,200	10,100	9,800	5,520	5,353	5,292	1,112	715	852	10.20	10.50	11.70
OR (Other).....	3,600	3,600	3,500	1,512	1,296	1,418	276	246	238	13.20	10.70	12.80
UT.....	1,700	1,800	1,900	825	684	846	115	101	85	8.27	8.26	8.33
WA.....	5,000	5,600	6,200	2,300	2,520	2,790	368	400	410	10.60	9.40	11.20
WI.....	1,200	1,300	1,300	336	351	488	36	31	39	10.30	10.70	7.29
Storage total.....	61,220	64,350	64,160	25,283	24,983	25,826	4,538	3,992	4,233	12.00	11.50	12.20
CA ⁴	29,000	28,800	27,000	9,860	10,512	10,125	320	280	200	7.64	5.69	7.54
Total summer.....	101,720	105,250	104,160	38,580	39,748	40,516	4,858	4,272	4,433	10.90	9.58	11.40
US.....	123,720	128,950	132,560	45,113	46,733	47,896	4,858	4,272	4,433	12.50	9.75	11.60

¹ Mostly for fresh market use, but includes some quantities used for processing. ² Preliminary. ³ Estimates begin with 1989 crop. ⁴ Primarily for processing.

National Agricultural Statistics Service.

Table 223.—Onions (fresh market): Foreign trade, United States, 1975-88

Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports	Year beginning July	Imports	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1975.....	696	1,899	1980.....	1,400	2,614	1985.....	2,501	1,178
1976.....	1,403	3,169	1981.....	1,581	3,822	1986.....	3,454	1,812
1977.....	1,345	1,941	1982.....	1,861	1,367	1987.....	4,204	1,934
1978.....	1,582	2,164	1983.....	2,414	2,056	1988.....	3,404	2,494
1979.....	1,304	1,851	1984.....	2,528	2,479			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 224.—Peas, green (for processing), commercial crop: Area, yield, production, value per ton, and total value, United States, 1975-89

Year	Area harvested	Yield per acre	Production	Value ¹		Year	Area harvested	Yield per acre	Production	Value ¹	
				Per ton	Total					Per ton	Total
	<i>Acres</i>	<i>Tons ²</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>Tons ²</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	437,650	1.30	570,750	218.00	124,604	1983.....	308,800	1.38	425,740	217.00	92,189
1976.....	393,020	1.31	513,200	199.00	101,982	1984.....	330,470	1.50	495,340	237.00	117,266
1977.....	350,480	1.40	488,950	206.00	100,533	1985.....	353,620	1.63	577,810	240.00	138,489
1978.....	355,460	1.30	461,100	206.00	94,853	1986.....	272,420	1.52	414,880	226.00	93,781
1979.....	392,320	1.56	613,350	210.00	129,090	1987.....	290,300	1.51	439,530	224.00	98,576
1980.....	321,660	1.51	484,240	209.00	101,392	1988.....	283,900	1.10	313,140	234.00	73,166
1981.....	293,090	1.55	455,050	218.00	99,056	1989 ³	316,500	1.59	504,660	238.00	119,963
1982.....	303,830	1.63	496,290	227.00	112,541						

¹ Price and value at processing plant door. ² Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas. ³ Preliminary.

National Agricultural Statistics Service.

Table 225.—Peas, green (for processing), commercial crop: Area, production, and value per ton, States, 1987-89

State	Area harvested			Production ²			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
DE.....	9,700	7,700	8,100	12,420	11,780	9,560	229.00	180.00	233.00
MN.....	76,300	74,100	73,700	104,530	53,350	113,500	214.00	259.00	250.00
NY.....	9,900	9,700	10,600	16,240	11,640	16,960	261.00	290.00	285.00
OR.....	33,300	26,000	34,100	43,620	37,440	48,080	200.00	192.00	220.00
WA.....	41,500	48,200	55,700	85,490	90,130	99,150	254.00	237.00	262.00
WI.....	82,500	79,900	85,000	114,680	54,330	130,050	217.00	251.00	224.00
Other States ³	37,100	38,300	49,300	62,550	54,470	87,360	221.00	214.00	216.00
US.....	290,300	283,900	316,500	439,530	313,140	504,660	224.00	234.00	238.00

¹ Preliminary. ² Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.

³ 1987—California, Idaho, Illinois, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania. 1988—California, Idaho, Illinois, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania. 1989—California, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Michigan, New Jersey, and Pennsylvania.

National Agricultural Statistics Service.

Table 226.—Potatoes: Production, seed used, and disposition, United States, 1975-88

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1975.....	321,978	25,615	6,560	22,177	293,241
1976.....	357,666	25,566	6,760	26,246	324,660
1977.....	355,334	25,989	6,718	31,119	317,497
1978.....	366,314	24,331	6,302	34,439	325,573
1979.....	342,447	22,316	5,904	30,128	306,415
1980.....	303,905	24,063	6,380	23,237	274,288
1981.....	340,623	24,931	6,004	26,339	308,280
1982.....	355,131	24,120	7,242	31,045	316,844
1983.....	333,726	25,475	5,937	24,664	303,125
1984.....	362,039	27,159	5,701	30,057	326,281
1985.....	406,609	24,955	8,061	52,707	345,841
1986.....	361,743	25,770	6,248	28,355	327,140
1987.....	389,320	25,544	5,654	31,901	351,765
1988 ¹	356,438	25,668	5,810	25,067	325,561

¹ Preliminary.

National Agricultural Statistics Service.

Table 227.—Potatoes: Area, yield, production, season average price, and value, United States, 1975-89

Year	Area planted	Area harvested	Yield per harvested acre	Production	Season average price per cwt. received by farmers ¹	Value of production
	1,000 acres	1,000 acres	Cwt.	1,000 cwt.	Dollars	1,000 dollars
1975.....	1,298.5	1,259.5	256	321,978	4.48	1,442,741
1976.....	1,404.2	1,371.4	261	357,666	3.59	1,282,521
1977.....	1,398.9	1,360.2	261	355,334	3.55	1,255,047
1978.....	1,401.0	1,374.5	267	366,314	3.38	1,224,478
1979.....	1,295.4	1,258.3	272	342,447	3.44	1,172,108
1980.....	1,175.4	1,147.8	265	303,905	6.55	1,985,814
1981.....	1,255.3	1,232.4	276	340,623	5.42	1,831,474
1982.....	1,302.8	1,266.9	280	355,131	4.45	1,562,639
1983.....	1,271.1	1,241.5	269	333,726	5.82	1,934,263
1984.....	1,333.7	1,297.8	279	362,039	5.69	2,042,298
1985.....	1,406.7	1,358.7	299	406,609	3.92	1,568,296
1986.....	1,256.6	1,220.2	296	361,743	5.03	1,810,330
1987.....	1,316.6	1,293.4	301	389,320	4.38	1,682,949
1988.....	1,284.7	1,259.3	283	356,438	6.02	2,143,971
1989 ²	1,304.4	1,281.9	289	370,497	6.85	2,523,904

¹ Obtained by weighting State prices by quantity sold.² Preliminary.

National Agricultural Statistics Service.

Table 228.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by States, 1987-89

Season and State	Area harvested			Production			Price for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
Winter:									
CA.....	4.6	5.2	5.5	1,081	1,196	1,320	11.30	10.40	.....
FL.....	7.1	7.1	7.6	1,420	1,420	1,444	23.90	10.60	.....
Total.....	11.7	12.3	13.1	2,501	2,616	2,764	18.60	10.50	.....
Spring:									
AL.....	5.6	4.9	5.4	700	662	1,296	13.90	7.25	.....
AZ.....	4.9	5.3	5.8	1,348	1,246	1,827	10.50	9.35	.....
CA.....	21.3	19.6	21.0	7,881	7,546	7,875	11.50	8.90	.....
FL.....									
Hastings.....	26.5	26.5	28.0	5,168	6,228	5,460	14.50	4.50	.....
Other.....	2.1	2.5	7.0	399	525	1,400	13.90	5.95	.....
LA.....	.3	.4	.3	18	20	27	11.70	13.00	.....
NC.....	15.9	14.4	15.6	2,544	2,736	2,184	7.00	5.35	.....
TX.....	6.2	6.2	5.8	930	1,147	783	7.30	6.95	.....
Total.....	82.8	79.8	88.9	18,988	20,110	20,852	11.60	6.80	.....
Summer:									
AL.....	8.0	7.7	7.5	1,240	693	1,275	8.25	6.85	.....
CA.....	6.4	5.9	6.1	2,208	1,918	2,196	10.60	12.40	.....
CO.....	6.3	6.1	6.7	1,859	1,861	2,144	5.40	5.40	.....
DE.....	8.0	8.4	7.2	1,680	1,806	1,152	7.00	9.35	.....
IL.....	3.1	3.2	3.3	806	736	858	4.45	5.05	.....
IA.....	2.0	1.7	1.5	360	289	263	4.30	5.70	.....
MD.....	2.5	2.3	1.8	500	460	315	6.85	7.65	.....
MI.....	10.8	9.0	10.0	2,160	1,620	2,300	5.10	6.10	.....
MN.....	6.4	5.7	6.3	1,920	1,482	1,890	3.65	6.90	.....
NE.....	2.5	2.3	2.3	675	690	598	4.35	6.65	.....
NJ.....	6.6	5.2	4.8	1,014	888	600	6.00	6.70	.....
NM.....	10.0	10.2	11.5	3,500	3,060	4,025	4.15	5.65	.....
NC.....	1.5	1.4	1.4	173	168	126	8.90	7.10	.....
TX.....	1.3	.9	.6	104	59	60	10.30	9.45	.....
VA.....	11.0	9.0	10.5	2,420	2,250	2,625	7.75	9.20	.....
VA.....	14.1	12.8	12.0	1,974	2,048	1,440	7.70	7.75	.....
Total.....	100.5	91.8	93.5	22,833	20,154	22,155	6.32	7.55	.....

See footnotes at end of table.

Table 228.—Potatoes: Area, production, and marketing year price per hundredweight received by farmers, by States, 1987-89—Continued

Season and State	Area harvested			Production			Price for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	Dollars	Dollars
Fall:									
CA.....	18.3	16.5	16.5	7,869	6,105	6,600	4.15	8.15	.....
CO.....	60.0	59.5	61.5	19,500	19,040	20,603	1.75	7.35	.....
CT.....	.5	.6	.3	123	135	66	5.35	7.50	.....
ID:									
10 S.W. counties.....	18.0	18.0	17.0	7,200	7,200	6,715	3.50	5.40	.....
Other counties.....	319.0	329.0	336.0	92,510	95,410	95,760	.....	.....	.....
IN.....	5.0	4.2	4.0	1,250	756	960	5.00	6.30	.....
ME.....	83.0	80.0	80.0	23,240	22,000	22,000	4.25	7.30	.....
MA.....	2.8	2.6	2.5	658	572	600	6.50	7.70	.....
MI.....	36.0	34.0	30.0	9,720	7,820	6,900	5.10	7.55	.....
MN.....	71.0	69.0	66.0	16,380	12,075	13,860	3.20	6.20	.....
MT.....	7.9	7.7	8.1	2,370	2,156	2,228	5.65	7.75	.....
NE.....	7.5	7.6	7.9	2,175	2,128	2,528	4.80	7.75	.....
NV.....	8.0	8.0	8.0	2,720	2,480	2,600	3.10	5.55	.....
NY:									
Long Island.....	9.7	8.3	7.3	2,425	1,992	1,898	5.15	8.10	.....
Upstate.....	25.0	24.0	21.5	6,250	4,800	4,730	6.15	9.35	.....
ND.....	130.0	135.0	137.0	24,050	15,525	15,070	3.50	6.35	.....
OH.....	9.8	8.7	7.9	2,254	1,697	1,462	5.20	6.90	.....
OR:									
Malheur County.....	6.8	6.4	5.2	2,788	2,400	2,028	4.05	3.70	.....
Other counties.....	48.2	38.6	44.8	23,136	18,335	21,280	3.40	4.95	.....
PA.....	21.5	20.5	20.5	4,730	3,690	4,715	6.10	7.60	.....
RI.....	1.5	1.2	1.2	263	300	300	5.70	6.45	.....
SD.....	11.0	10.0	9.0	2,310	1,600	1,980	3.35	4.20	.....
UT.....	6.6	6.6	6.1	1,584	1,617	1,495	4.50	5.20	.....
WA.....	124.0	115.0	118.0	66,960	63,250	64,310	3.65	4.50	.....
WI.....	65.0	62.5	68.0	22,100	20,000	23,460	3.85	6.40	.....
WY.....	2.3	1.9	2.1	483	475	578	4.40	6.90	.....
Total.....	1,098.4	1,075.4	1,086.4	344,998	313,438	324,726	3.69	5.82	.....
US.....	1,293.4	1,259.3	1,281.6	389,320	356,438	370,344	4.38	6.02	.....

¹ Preliminary.

National Agricultural Statistics Service.

Table 229.—Fall potatoes: Production and total stocks held by growers and local dealers, 15 ¹ States, 1975-89

Crop year	Production	Total stocks ¹					
		Dec. 1	Following year				
			Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
1975.....	266,422	181,720	156,220	129,710	102,850	70,970	.....
1976.....	294,978	198,630	172,230	142,030	112,830	81,130	.....
1977.....	295,421	202,550	175,300	147,930	119,850	88,680	.....
1978.....	311,981	219,850	193,520	162,980	132,570	99,250	64,830
1979.....	284,940	200,820	176,020	147,910	121,720	92,550	59,535
1980.....	256,518	172,080	147,010	122,065	97,680	72,660	44,546
1981.....	287,710	193,610	164,380	137,820	111,780	82,270	50,760
1982.....	309,134	206,525	178,980	150,200	122,500	90,105	57,305
1983.....	294,679	192,150	165,330	138,900	112,730	81,740	50,365
1984.....	312,662	201,410	173,380	144,760	118,400	86,440	52,465
1985.....	353,638	235,475	202,800	171,510	138,720	104,540	65,380
1986.....	318,198	209,435	180,915	154,545	128,720	95,090	59,790
1987.....	344,998	225,890	196,760	167,325	138,800	105,905	70,030
1988.....	313,558	206,420	177,750	151,050	124,485	92,585	59,355
1989 ²	324,726	201,400	173,400	143,150	115,780	88,540	50,125

¹ Stocks estimated for the 15 major States (see table 230) starting with the 1980 crop. This table shows stocks and comparable production for the 15 States over the past 11 years. Prior to this year, this table showed data for the 23 major States over a 15 year period. ² Preliminary.

National Agricultural Statistics Service.

Table 230.—Fall potatoes: Total stocks held by growers and local dealers, 15 States, crop of 1988 and 1989 ¹

State	Crop of 1988						Crop of 1989 ¹					
	Dec. 1, 1988	Jan. 1, 1989	Feb. 1, 1989	Mar. 1, 1989	Apr. 1, 1989	May 1, 1989	Dec. 1, 1989	Jan. 1, 1990	Feb. 1, 1990	Mar. 1, 1990	Apr. 1, 1990	May 1, 1990
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA.....	3,900	3,200	2,600	2,100	1,600	1,200	4,000	3,300	2,450	1,900	1,250	700
CO.....	14,700	12,950	11,200	9,450	7,400	5,500	15,650	13,750	11,700	9,850	7,500	5,600
ID.....	74,000	65,500	58,000	50,500	40,500	27,000	70,500	61,500	53,000	44,500	35,000	22,000
ME.....	15,800	13,300	10,700	8,100	5,300	2,700	16,000	13,600	10,900	8,500	5,400	2,800
MI.....	4,600	3,500	2,400	1,700	900	300	4,000	3,200	2,200	1,600	800	400
MN.....	8,900	7,900	6,900	6,000	4,300	2,000	8,900	7,500	6,300	4,800	3,400	1,600
MT.....	2,020	1,950	1,900	1,800	1,200	65	2,100	2,000	1,900	1,800	1,100	100
NE.....	1,550	1,050	850	670	320	150	1,450	1,200	900	650	340	170
NY:												
Long Island.....	850	650	450	² 315	² 65	⁽²⁾	800	550	350	² 230	² 100	⁽²⁾
Upstate.....	2,800	2,200	1,700	1,100	550	² 170	2,700	1,900	1,200	800	400	² 105
ND.....	10,500	8,600	1,800	4,600	3,300	2,000	11,000	9,500	7,800	5,800	3,600	2,200
OH.....	500	300	50	⁽²⁾	⁽²⁾	⁽²⁾	300	200	50	⁽²⁾	⁽²⁾	⁽²⁾
OR.....	15,300	13,100	11,100	8,700	6,300	4,500	13,800	12,100	10,000	7,800	5,900	4,100
PA.....	2,700	2,150	1,500	950	600	200	2,700	2,100	1,400	1,050	750	250
WA.....	36,700	32,100	27,700	22,500	16,200	10,700	34,500	30,400	25,100	20,000	13,100	7,100
WI.....	11,600	9,300	7,200	6,000	4,050	2,870	13,000	10,600	7,900	6,500	4,900	3,000
15 State total.....	206,420	177,750	151,050	124,485	92,585	59,355	201,400	173,400	143,150	115,780	83,540	50,125

¹ Preliminary. ² Combined to prevent possible disclosure of individual operations.
National Agricultural Statistics Service.

Table 231.—Potatoes: Utilization, United States, crop years 1981-88

Item	1981	1982	1983	1984	1985	1986	1987	1988 ¹
SALES	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
Table stock.....	111,976	120,232	107,295	113,187	125,006	109,331	129,097	110,695
For processing:								
Chips and shoestring.....	39,344	40,650	43,311	42,339	42,217	45,814	40,593	43,028
Dehydration.....	29,875	27,720	26,754	27,845	29,958	28,445	30,823	28,786
Frozen french fries.....	79,829	76,013	74,350	87,350	94,741	96,244	101,377	95,194
Other frozen products.....	16,812	17,290	19,655	20,322	17,856	15,708	18,305	17,540
Canned potatoes.....	2,469	2,743	2,137	2,589	2,971	2,790	2,958	2,943
Other canned products (hash, stews, soups).....	1,700	1,839	1,991	1,834	1,610	1,308	1,597	1,806
Starch and flour.....	2,299	4,636	3,028	3,401	3,489	2,808	2,184	1,416
Total.....	172,328	170,891	171,226	185,680	192,842	193,117	197,837	190,713
Other sales:								
Livestock feed.....	3,583	6,308	3,734	4,662	8,098	3,992	3,808	3,330
Seed.....	20,393	19,413	20,870	22,752	19,895	20,700	21,023	20,823
Total.....	23,976	25,721	24,604	27,414	27,993	24,692	24,831	24,153
Total sales.....	308,280	316,844	303,125	326,281	345,841	327,140	351,765	325,561
NON-SALES								
Seed used on farms where grown.....	4,538	4,707	4,605	4,407	5,060	5,070	4,521	4,845
Household use.....	1,466	2,535	1,332	1,294	3,001	1,178	1,133	965
Shrinkage and loss.....	26,339	31,045	24,664	30,057	52,707	28,355	31,901	25,067
Total non-sales.....	32,343	38,287	30,601	35,758	60,768	34,603	37,555	30,877
Total production.....	340,623	355,131	333,726	362,039	406,609	361,743	389,320	356,438

¹ Preliminary.
National Agricultural Statistics Service.

Table 232.—Potatoes: Production, seed used, and disposition, by seasonal groups, crop of 1988 ¹

Season and State	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Winter:					
CA	1,196	121		72	1,124
FL	1,420	212		9	1,411
Total	2,616	333		81	2,535
Spring:					
AL	662	68	1	10	651
AZ	1,246	114	4	25	1,217
CA	7,546	462	15	151	7,380
FL					
Hastings	6,228	675	1	25	6,202
Other	525	170		4	521
LA	20	3	1	1	18
NC	2,736	194	20	82	2,634
TX	1,147	91	19	16	1,112
Total	20,110	1,777	61	314	19,735
Summer:					
AL	693	98	8	35	650
CA	1,918	116	12	36	1,870
CO	1,861	143	11	73	1,777
DE	1,806	116	7	72	1,727
IL	736	68	12	18	706
IA	289	21	5	14	270
MD	460	29	14	14	432
MI	1,620	215	47	93	1,480
MN	1,482	125	2	80	1,400
NE	690	50	42	75	573
NJ	1,014	103	6	30	978
NM	3,060	220	24	184	2,852
NC	168	20	17	6	145
TN	59	15	5	2	52
TX	2,250	143	5	45	2,200
VA	2,048	176	2	72	1,974
Total	20,154	1,658	219	849	19,086
Fall:					
CA	6,105	330	55	458	5,592
CO	19,040	1,457	996	1,430	16,614
CN	135	11	1	5	129
ID	102,610	7,100	1,410	7,960	93,240
IN	756	87	13	79	664
ME	22,000	1,944	700	1,760	19,540
MA	572	54	4	23	545
MI	7,820	621	240	740	6,840
MN	12,075	1,206	375	1,040	10,660
MT	2,156	166	108	108	1,940
NE	2,128	205	149	160	1,819
NV	2,480	160		298	2,182
NY:					
Long Island	1,992	161	5	57	1,930
Upstate	4,800	540	155	285	4,360
ND	15,525	1,813	390	1,475	13,660
OH	1,697	179	15	102	1,580
OR:					
Malheur County	2,400	141	10	150	2,240
Other counties	18,335	1,003	200	2,000	16,135
PA	3,690	399	90	390	3,210
RI	300	26	1	6	293
SD	1,600	160	25	65	1,510
UT	1,617	121	30	81	1,506
WA	63,250	2,714	300	4,300	58,650
WI	20,000	1,260	234	780	18,986
WY	475	42	24	71	380
Total	313,558	21,900	5,530	23,823	284,205
US	356,438	25,668	5,810	25,067	325,561

¹ Preliminary.

National Agricultural Statistics Service.

Table 233.—Potatoes,¹ white: United States exports by country of destination and imports by country of origin, 1986-88

Item and country	Year beginning October			Item and country	Year beginning October		
	1986	1987	1988		1986	1987	1988
EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Netherlands Antilles	66	96	235
Sweden	14	19	127	Trinidad and Tobago	96	0	0
United Kingdom	2	0	0	Total ²	1,055	1,012	2,163
Other countries	0	18	0				
Total ²	16	37	127	Other countries:			
Latin America:				Canada ³	46,458	31,070	106,242
Mexico	1,535	2,140	7,839	Hong Kong	209	540	450
Other countries	38	25	106	Saudi Arabia	63	0	32
Total ²	1,573	2,165	7,945	Singapore	142	228	262
				Other countries	182	174	727
Bermuda and Caribbean:				Total ²	47,054	32,012	107,713
Bahamas	331	629	852	Grand total ²	49,698	35,226	117,948
Barbados	117	89	745				
Bermuda	14	56	23	IMPORTS			
Cayman Islands	11	0	0	Certified seed:			
Dominican Republic	97	123	61	Canada	10,329	41,309	70,382
Jamaica	227	0	65	Other potatoes:			
Leeward and Windward Islands	96	19	182	Canada	214,764	176,333	214,092

¹ Includes seed potatoes. ² Totals may not add due to rounding. ³ U.S. exports to Canada must be adjusted upward approximately 50% due to underreporting of actual shipments.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 234.—Potatoes (fresh): Foreign trade, United States, 1975-88

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1975	691	9,317	1980	2,412	2,459	1985	3,728	830
1976	806	11,617	1981	3,214	2,581	1986	2,283	1,142
1977	955	3,630	1982	2,741	1,932	1987	3,948	783
1978	703	3,025	1983	3,874	1,731	1988	5,340	2,243
1979	1,141	2,336	1984	2,278	1,354			

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 235.—Sweetpotatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 1975-89

Year	Area harvested	Yield per acre	Production	Price ¹	Value of production	Year	Area harvested	Yield per acre	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	114.3	113	12,891	8.59	110,758	1983	102.4	118	12,083	13.60	163,265
1976	114.8	116	13,273	7.50	99,054	1984	102.9	125	12,902	14.00	181,006
1977	107.1	111	11,885	10.50	124,859	1985	103.3	141	14,573	8.81	127,836
1978	112.2	117	13,115	10.60	139,226	1986	90.8	136	12,368	11.00	134,435
1979	114.2	117	13,370	8.92	119,093	1987	88.9	131	11,611	11.60	133,512
1980	102.2	107	10,953	13.60	148,359	1988	85.5	128	10,945	12.90	141,202
1981	109.8	117	12,799	13.60	174,748	1989 ²	86.0	132	11,358	16.00	185,130
1982	115.4	129	14,833	8.03	118,864						

¹ Obtained by weighting State prices by quantity sold. ² Preliminary.

National Agricultural Statistics Service.

Table 236.—Taro: Area, yield, production, price, and value, Hawaii, 1975-89

Year	Area harvested ¹	Yield per acre	Production	Price per pound	Value of production	Year	Area harvested ¹	Yield per acre	Production	Price per pound	Value of production
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	460	16.5	7,592	0.112	850	1983	370	14.7	5,440	.226	1,229
1976	460	16.0	7,350	.121	889	1984	370	17.1	6,310	.219	1,382
1977	470	16.7	7,870	.127	999	1985	400	17.2	6,860	.230	1,578
1978	450	17.1	7,680	.134	1,029	1986	390	16.2	6,330	.231	1,462
1979	405	16.4	6,640	.164	1,089	1987	400	15.8	6,300	.266	1,676
1980	320	20.0	6,400	.200	1,280	1988	420	16.2	6,800	.260	1,904
1981	340	17.9	6,100	.214	1,305	1989 ²	430	15.1	6,500	.307	1,996
1982	350	18.5	6,460	.224	1,447						

¹ Average during the year. ² Preliminary.

National Agricultural Statistics Service.

Table 237.—Sweetpotatoes: Area, production, and season average price per hundredweight received by farmers, by States, 1987-89

State	Area harvested			Production			Price for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL	4.0	4.1	3.9	360	472	468	13.00	16.10	21.70
CA	6.6	7.1	8.3	1,353	1,207	1,453	20.40	12.70	12.50
GA	4.2	4.5	4.8	630	720	816	12.70	15.00	15.60
LA	19.0	17.0	18.0	2,470	2,465	2,880	7.15	7.60	9.50
MD .....	.8	.9	.5	112	135	80	11.50	16.40	19.40
MS	4.5	3.5	3.0	495	350	285	10.60	15.10	15.00
NJ	2.3	2.3	2.1	276	173	168	16.60	19.00	22.00
NC	35.0	34.0	34.0	4,550	4,420	4,080	10.00	14.40	21.20
SC	3.5	3.0	3.9	333	300	330	11.10	13.00	15.50
TN .....	.8	.8	.6	88	72	60	14.50	16.50	16.70
TX	7.3	7.4	7.0	840	518	690	15.90	16.40	16.50
VA .....	.9	.9	.8	104	113	108	6.00	6.40	8.80
US	88.9	85.5	86.0	11,611	10,945	11,358	11.60	12.90	16.00

¹ Preliminary.

National Agricultural Statistics Service.

Table 238.—Sweetpotatoes: Production, seed used, and disposition, United States, 1975-89

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
1975	12,891	876	1,244	625	11,022
1976	13,273	769	1,244	976	11,053
1977	11,885	916	1,176	548	10,161
1978	13,115	1,017	1,286	627	11,202
1979	13,370	925	1,242	711	11,417
1980	10,953	924	1,092	534	9,327
1981	12,799	1,108	1,373	532	10,894
1982	14,833	989	1,693	772	12,368
1983	12,083	1,043	1,176	564	10,343
1984	12,902	1,043	1,245	527	11,130
1985	14,573	(¹)	(¹)	(¹)	(¹)
1986	12,368				
1987	11,611				
1988	10,945				
1989	11,358				

¹ Estimates discontinued.

National Agricultural Statistics Service.

Table 239.—Tomatoes, commercial crop: Area, yield, production, value per hundredweight and per ton, and total value, United States, 1975-89

Year	For fresh market					For processing				
	Area for harvest	Yield per acre	Production ¹	Value ²		Area harvested	Yield per acre	Production ¹	Value ³	
				Per cwt.	Total				Per ton	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	124,680	169	21,114	18.70	393,866	384,250	22.13	8,503,750	63.20	537,452
1976	127,590	171	21,772	19.10	416,562	308,960	20.95	6,471,750	58.00	375,407
1977	124,420	160	19,895	20.60	409,230	346,660	22.44	7,779,150	64.10	498,372
1978	130,220	172	22,408	19.70	440,379	295,560	21.54	6,367,700	64.20	408,950
1979	125,200	186	23,292	22.50	524,823	312,030	23.49	7,329,510	67.60	495,476
1980	126,250	201	25,393	20.70	524,919	263,030	23.61	6,210,590	61.00	378,853
1981	126,960	205	25,981	21.40	555,770	253,920	22.51	5,716,130	67.50	385,632
1982	119,690	224	26,769	22.50	603,030	295,300	24.72	7,298,990	71.60	522,422
1983	123,100	221	27,262	24.20	659,308	292,020	24.07	7,029,840	68.40	480,926
1984	122,580	230	28,163	25.60	721,508	291,870	26.32	7,681,160	67.40	517,488
1985	123,380	241	29,740	24.20	718,264	265,500	27.03	7,177,130	66.30	475,709
1986	125,710	249	31,361	25.10	788,424	252,300	29.32	7,398,470	63.90	472,927
1987	129,600	250	32,414	25.90	840,859	257,430	29.56	7,607,690	59.10	449,503
1988	139,700	257	35,855	26.90	965,114	274,920	26.95	7,409,920	60.70	449,797
1989 ⁴	141,240	254	35,904	33.00	1,183,527	320,850	29.56	9,484,470	67.50	640,113

¹ For fresh market, excluding the following quantities not harvested or not marketed because of economic conditions (1,000 hundredweight); 44 in 1977. For processing, excluding 200,000 tons not marketed in 1976. ² Price and value of f.o.b. basis. ³ Price and value at processing plant door. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987-89

Utilization and State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
FOR FRESH MARKET	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
AL	3,500	3,100	2,700	350	357	324	16.80	19.00	22.50
AR	1,000	1,100	1,000	290	319	140	31.70	43.50	35.40
CA	29,500	37,500	38,400	8,850	9,188	9,984	21.50	29.90	24.00
FL	55,300	58,000	60,200	16,590	18,850	18,361	29.50	25.20	40.30
GA	2,900	2,900	2,700	319	522	540	25.20	22.30	24.00
IN	1,200	1,100	1,400	192	165	217	23.50	30.00	27.00
LA	370	380	340	44	46	31	44.70	44.00	38.00
MD	2,600	2,500	2,600	481	338	325	22.70	33.00	24.60
MA	580	570	550	125	105	124	65.00	55.00	60.00
MI	2,800	2,400	2,500	252	204	250	20.30	34.00	25.20
NJ	5,100	5,200	5,100	485	406	434	25.70	32.50	31.00
NY	2,300	2,400	2,500	345	384	425	32.80	45.40	37.70
NC	1,600	1,400	1,300	272	210	247	17.80	20.70	15.40
OH	2,700	2,200	2,700	419	275	392	18.10	21.40	36.90
PA	5,000	4,900	4,000	800	686	800	15.80	20.70	21.40
SC	3,600	3,700	3,600	882	1,480	1,404	20.20	18.20	17.70
TN	3,900	3,900	3,600	702	702	504	23.00	28.00	25.00
TX	2,600	3,200	2,800	260	288	252	25.70	23.40	18.90
VA	2,800	3,000	3,000	686	1,260	1,095	21.80	32.10	36.40
Total	129,350	139,450	140,990	32,344	35,785	35,849	25.90	26.90	32.90
HI	250	250	250	70	70	55	42.60	48.50	55.40
US ²	129,600	139,700	141,240	32,414	35,855	35,904	25.90	26.90	33.00

See footnotes at end of table.

Table 240.—Tomatoes, commercial crop: Area, production, and value per hundredweight and per ton, by States, 1987-89—Continued

Utilization and State	Area harvested			Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
FOR PROCESSING	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>	<i>Dollars per ton</i>
CA	214,000	226,100	276,500	6,702,480	6,547,860	8,585,330	57.20	58.90	66.30
CO	590	680	190	7,590	12,340	3,610	84.20	72.70	95.00
DE		1,000	470		6,720	3,650		74.10	87.70
IN	6,700	7,500	7,800	156,850	156,150	157,560	75.30	80.90	79.00
MD	1,700	2,700	970	22,420	24,300	12,310	78.00	74.90	89.00
MI	5,000	5,200	5,400	118,500	112,320	132,840	69.20	68.20	72.80
NJ	2,900	3,300	3,000	56,260	41,910	31,590	72.00	75.00	88.60
NY		2,300	1,900		39,190	35,400		76.40	93.00
OH	16,000	17,700	17,500	368,000	359,310	391,300	71.70	71.60	77.20
PA	2,100	2,000	1,700	29,690	27,860	35,860	75.60	75.90	93.50
Other States ²	8,410	6,440	5,420	145,900	81,960	95,520	75.70	81.00	77.60
US	257,400	274,920	320,850	7,607,690	7,409,920	9,484,470	59.10	60.70	67.50
Grand total	387,000	414,620	462,090	9,228,390	9,202,670	11,279,670	140.00	154.00	162.00

¹ Preliminary. ² Due to program modifications, yearly data are only available. ³ 1987—Delaware, Florida, Illinois, Iowa, New Mexico, New York, North Carolina, South Carolina, Texas, Utah, and Virginia. 1988-89—Florida, Illinois, Iowa, South Carolina, Texas, and Virginia.

National Agricultural Statistics Service.

Table 241.—Tomatoes: Foreign trade, United States, 1975-88

Year beginning July	Imports			Domestic exports				
	Fresh	Canned ¹	Paste	Fresh	Canned ²	Catsup and sauces	Paste ²	Juice
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975	629,975	76,531	30,925	199,072	34,293	39,283	24,945	38,094
1976	791,134	74,505	73,957	178,395	24,199	14,967	20,937	48,524
1977	828,748	75,373	56,538	199,556	26,457	16,563	31,636	37,582
1978	710,578	56,944	50,085	239,715	29,564	17,019	23,568	28,742
1979	687,575	31,380	31,602	256,061	44,489	21,717	40,661	26,204
1980	282,484	54,491	29,415	222,154	32,501	26,662	28,064	36,607
1981	686,672	156,844	182,734	189,332	25,826	26,676	17,575	30,351
1982	493,958	151,296	151,980	173,975	16,638	26,651	24,234	18,944
1983	784,787	245,126	179,479	170,878	13,900	20,274	22,877	8,637
1984	836,108	233,553	94,384	150,085	12,335	21,210	18,866	1,392
1985	915,963	199,405	139,080	133,022	17,136	16,724	18,601	1,288
1986	962,270	168,705	111,695	141,414	10,058	19,472	17,975	1,468
1987	767,546	173,323	100,634	156,373	8,408	27,881	21,286	1,626
1988	830,078	157,403	225,628	180,948	11,945	62,730	22,139	8,727

¹ Includes "otherwise prepared," if any. ² Includes exports for military-civilian feeding abroad.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 242.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1989 ¹

Commodity	Baltimore ²			Boston ³			New York ³			Philadelphia		
	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	Total	Rail, boat, and air	Motor-truck ⁴	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Vegetables:												
Artichokes.....		15	15		22	22		44	44		8	8
Asparagus.....		47	47		61	61		86	86		52	52
Beans.....		96	96		114	114		99	99		60	60
Beets.....					20	20		24	24		3	3
Broccoli.....	43	231	274	206	188	394	421	135	556	198	148	346
Brussel sprouts.....		10	10		10	10						
Cabbage.....	4	386	390		401	401	76	300	376	7	251	258
Carrots.....	72	177	249	399	268	667	608	278	886	219	165	384
Cauliflower.....	10	114	124	27	104	131	62	75	137	29	76	105
Celery.....	52	306	358	380	261	641	429	379	808	179	236	415
Chinese cabbage.....		38	38		29	29		17	17		12	12
Corn, sweet.....	7	207	214	18	235	253	36	221	257	18	105	123
Cucumbers.....		317	317	2	658	660	31	339	370		254	254
Eggplant.....		41	41		78	78	3	108	111		37	37
Escarole-endive.....		20	20		59	59		59	59		31	31
Garlic.....		2	2		11	11		61	61		10	10
Greens.....		114	114		148	148		113	113		85	85
Lettuce, iceberg.....	208	913	1,121	2,046	1,203	3,249	2,966	880	3,846	1,206	716	1,922
Lettuce, romaine.....		119	119	151	214	365	13	99	112	3	88	91
Lettuce, other.....		116	116	59	222	281		82	82		55	55
Mixed vegetables.....	44		44	54		54	152		152	34		34
Mushrooms.....		14	14		133	133		63	63		26	26
Okra.....		1	1		1	1	2	15	17			
Onions, dry.....		566	642	290	691	981	628	592	1,220	130	435	565
Onions, green.....	76	48	48	14	75	86	70	33	103	5	25	30
Parsley.....		17	17		29	29		27	27		16	16
Peas, green.....					1	1		4	4		1	1
Peas, other.....		6	6		14	14	3	5				
Peppers, bell.....		255	255	13	523	536	34	320	354	9	248	257
Peppers, other.....		3	3		10	10		11	11			
Potatoes, table.....	201	1,219	1,420	1,196	2,057	3,253	2,486	1,087	3,573	777	938	1,715
Potatoes, chipper.....		127	127	50	18	68	21		21			1
Potatoes, seed.....												
Pumpkins.....		14	14		7	7	11		11		5	5
Radishes.....		33	33	5	61	66		26	26		21	21
Spinach.....		25	25		107	107		51	51		11	11
Squash.....		107	107		349	349	1	179	180		60	60
Sweet potatoes.....		76	76		97	97		118	118		51	51
Tomatoes.....	9	661	670	203	1,014	1,217	201	813	1,014	48	569	617
Tomatoes, cherry.....		41	41	1	67	68		51	51		32	32
Turnips-rutabagas.....		7	7		52	52		13	13		6	6
Vegetables, other.....							7	3	10			
Total.....	726	6,489	7,215	5,111	9,612	14,723	8,261	6,810	15,071	2,863	4,836	7,699
Melons:												
Cantaloups.....	24	443	467	49	592	641	296	441	737	113	338	451
Honeydews.....	15	193	208	29	219	248	90	145	235	24	138	162
Mixed and miscellaneous.....	2	13	15	4	29	33	25	40	65	6	15	21
Watermelons.....	40	478	518	80	659	739	551	453	1,004	82	320	402
Total.....	81	1,127	1,208	162	1,499	1,661	962	1,079	2,041	225	811	1,036
Grand total.....	807	7,616	8,423	5,273	11,111	16,384	9,223	7,889	17,112	3,088	5,647	8,735

¹ Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981. ² Includes Washington. ³ Includes Newark. ⁴ Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Baltimore 90, Boston 95, New York 85, and Philadelphia 90.

Agricultural Marketing Service.

Table 243.—Vegetables and melons: Arrivals at 4 markets, by commodities, 1988 ¹

Commodity	Atlanta			Chicago			Los Angeles			San Francisco ²		
	Rail, boat, and air	Motor- truck ³	Total	Rail, boat, and air	Motor- truck ³	Total	Rail, boat, and air	Motor- truck ³	Total	Rail, boat, and air	Motor- truck ³	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Vegetables:												
Artichokes.....				17	35	52		140	140		128	128
Asparagus.....		13	13		54	54	3	83	86		90	90
Beans.....		65	65		81	81		116	116		109	109
Beets.....					10	10		49	49		12	12
Broccoli.....		141	141	554	189	743		628	628		336	336
Brussel sprouts.....					6	6		37	37		21	21
Cabbage.....		409	409	13	455	468		869	869		368	368
Carrots.....	4	150	154	194	360	554		746	746		517	517
Cauliflower.....		60	60	101	149	250		327	327		130	130
Celery.....		142	142	599	341	940		1,444	1,444		375	375
Chinese cabbage.....		10	10		12	12	2	228	230	3	75	78
Corn, sweet.....		142	142		296	296		569	569		421	421
Cucumbers.....		151	151	23	352	375		571	571		262	262
Eggplant.....		5	5		31	31		124	124		75	75
Escarole-endive.....		1	1		35	15		29	28		12	12
Garlic.....		2	2		10	10	1	27	28		40	40
Greens.....		157	157		138	138		218	218		86	86
Lettuce, iceberg.....		895	895	407	1,256	1,663		2,175	2,175		1,085	1,085
Lettuce, romaine.....		36	36		57	57		375	375		213	213
Lettuce, other.....		49	49		72	72		383	383		320	320
Mixed vegetables.....				110		110						
Mushrooms.....		46	46		164	164		163	163		118	118
Okra.....		28	28		6	6		45	45		9	9
Onions, dry.....	85	807	892	154	947	1,101	14	2,099	2,113		1,055	1,055
Onions, green.....		22	22	86	52	138		146	146		164	164
Parsley.....					24	24		52	52		28	28
Peas.....								8	8		14	14
Peas, other.....		5	5		3	3	5	99	104		18	18
Peppers, bell.....		125	125	22	325	347	6	473	479		344	344
Peppers, other.....					25	25		284	284		35	35
Potatoes, table.....	489	1,190	1,679	1,304	2,438	3,742	240	5,501	5,741		1,870	1,870
Potatoes, chipper.....		92	92		187	187					507	507
Potatoes, seed.....												
Pumpkins.....		39	39		54	54		10	10		19	19
Radishes.....		13	13		39	39		177	177		100	100
Spinach.....		12	12		74	74		175	175		108	108
Squash.....		62	62		88	88		474	474		293	293
Sweet potatoes.....		128	128		150	150		103	103		124	124
Tomatoes.....		671	671	46	1,023	1,069		2,817	2,817		934	934
Tomatoes, cherry.....		37	37		27	27		108	108		57	57
Turnips-rutabagas.....		21	21		3	3		46	46		19	19
Vegetables, other.....							26	104	130		13	13
Total.....	578	5,726	6,304	3,630	9,548	13,178	306	22,022	22,328	3	10,504	10,507
Melons:												
Cantaloups.....		336	336	644	684	1,328		1,094	1,094		644	644
Honeydews.....		66	66	263	241	504	1	735	736		269	269
Mixed and miscellaneous.....				38	69	107		128	128		72	72
Watermelons.....		403	403	33	560	593		1,395	1,395		375	375
Total.....		805	805	978	1,554	2,532	1	3,352	3,353		1,360	1,360
Grand total.....	578	6,531	7,109	4,608	11,102	15,710	307	25,374	25,681	3	11,864	11,867

¹ Use of car/carlot equivalents for reporting unloads of fresh vegetables and melons was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 274. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981. ² Includes Oakland. ³ Estimated percentages of completeness for reported truck arrivals for 1986 are as follows: Atlanta 85, Chicago 90, Los Angeles 90, and San Francisco 90.

Agricultural Marketing Service.

Table 244.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 1989 ¹

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Vegetables:													
Artichokes.....	31	46	94	300	111	17	40	34	53	79	54	54	913
Asparagus.....	6	41	349	505	318	100	4	2	8	29	3	.....	1,365
Beans.....	126	146	97	138	263	65	2	.....	5	69	170	131	1,212
Beets.....	18	14	18	14	2	.....	.....	.....	.....	.....	11	13	90
Broccoli.....	859	922	872	833	948	860	590	627	608	723	839	865	9,546
Cabbage.....	1,262	1,180	1,544	1,223	996	474	578	846	594	349	601	924	10,571
Carrots.....	1,521	1,385	1,664	1,526	1,416	1,585	1,303	1,167	1,056	1,162	1,255	1,388	16,428
Cauliflower.....	507	641	520	449	623	444	329	366	358	371	453	588	5,649
Celery.....	1,455	1,233	1,608	1,031	1,375	1,466	1,077	1,100	1,170	1,324	1,808	1,739	16,386
Chinese cabbage.....	27	24	18	10	8	1	.....	.....	.....	.....	3	15	106
Corn, sweet.....	69	89	117	240	2,268	1,709	603	644	303	270	221	98	6,631
Cucumbers.....	27	46	193	577	1,082	550	367	552	502	503	663	262	5,324
Eggplant.....	56	42	48	52	80	50	22	23	23	55	65	40	556
Escarole- endive.....	56	50	40	51	21	.....	.....	.....	.....	2	27	35	282
Greens.....	168	185	201	136	86	5	1	.....	.....	8	70	186	1,046
Lettuce, iceberg.....	4,724	4,466	5,124	5,388	5,582	4,906	4,609	5,132	4,649	5,203	4,869	4,297	58,949
Lettuce, romaine.....	294	251	260	311	360	304	276	310	276	287	300	344	3,573
Lettuce, other.....	216	211	253	275	288	258	262	279	254	278	273	287	3,134
Mixed vegetables.....	77	86	98	96	152	151	148	123	95	93	103	107	1,329
Okra.....	6	7	10	9	26	32	10	6	5	9	20	9	149
Onions, dry.....	2,717	2,096	1,907	2,332	2,688	2,623	2,375	2,531	2,899	3,067	2,731	2,637	30,603
Onions, green.....	30	22	31	26	56	81	90	100	85	81	46	24	672
Parsley.....	33	30	32	24	11	1	.....	.....	.....	.....	13	26	170
Peas, other.....	3	2	2	3	7	3	1	1	.....	1	1	4	28
Peppers, bell.....	353	297	368	428	661	716	602	403	424	538	663	439	5,892
Peppers, other.....	44	32	57	49	58	39	18	3	4	13	38	51	406
Potatoes, table.....	9,892	8,532	9,955	8,131	8,943	8,855	8,086	8,659	8,156	8,580	9,132	9,114	106,035
Potatoes, chipper.....	1,276	1,152	1,409	2,018	4,586	3,078	1,494	1,127	1,432	1,496	1,483	1,629	22,180
Potatoes, seed.....	543	602	1,302	3,674	566	112	.....	.....	.....	48	159	443	7,449
Radishes.....	98	93	116	147	157	56	15	19	21	74	129	111	1,036
Spinach.....	100	94	103	50	61	62	61	57	60	61	90	90	860
Squash.....	222	180	141	307	218	54	10	3	11	87	303	190	1,726
Sweet potatoes.....	253	283	411	252	188	23	23	147	323	345	756	476	3,480
Tomatoes.....	1,814	1,167	2,203	1,835	3,241	3,020	2,667	1,974	1,761	2,380	2,223	2,220	26,505
Tomatoes, cherry.....	17	14	34	19	73	109	68	35	19	28	41	28	485
Turnips.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
rutabagas.....	17	5	6	9	22	13	2	.....	5	5	7	10	101
Vegetables, other ².....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
Total.....	28,917	25,666	31,205	32,468	37,541	31,822	25,733	26,274	25,156	27,617	29,594	28,876	350,869
Melons:													
Cantaloups.....	.....	.....	.....	.....	2,785	4,848	1,111	671	432	864	454	24	11,189
Honeydews.....	.....	8	41	12	281	1,158	910	1,107	746	303	164	42	4,772
Mixed and miscellaneous.....	.....	.....	.....	.....	18	171	207	165	71	32	20	.....	684
Watermelons.....	1	.....	11	221	4,088	8,763	5,526	1,933	302	40	153	70	21,108
Total.....	1	8	52	233	7,172	14,940	7,754	3,876	1,551	1,239	791	136	37,753
Grand total...	28,918	25,674	31,257	32,701	44,713	46,762	33,487	30,150	26,707	28,856	30,385	29,012	388,622

¹ Use of car/carlot equivalents for reporting shipments of fresh vegetables was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-1977 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 275. ² Not otherwise specified.

Agricultural Marketing Service.

Table 245.—Vegetables (fresh), melons, potatoes, sweet potatoes. Per capita civilian utilization (farm-weight basis), United States, 1975–89 ¹

Year	Tomatoes	Asparagus	Broccoli	Carrots	Lettuce
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	12.0	0.4	1.0	6.4	23.5
1976.....	12.6	.4	1.1	6.4	24.2
1977.....	12.4	.3	1.2	5.3	25.8
1978.....	13.2	.3	1.1	5.6	25.6
1979.....	12.8	.3	1.4	6.4	25.9
1980.....	13.4	.3	1.6	7.0	26.8
1981.....	13.2	.3	1.8	7.1	25.7
1982.....	13.4	(²)	2.2	7.7	25.6
1983.....	13.7	(²)	2.3	7.5	23.2
1984.....	15.3	.4	2.7	8.0	25.9
1985.....	16.1	.5	2.9	7.6	24.7
1986.....	17.2	.7	3.5	7.8	23.1
1987.....	17.0	.6	3.6	8.7	26.8
1988.....	17.9	.6	4.2	8.4	27.5
1989 ³	17.9	.6	4.5	8.7	29.2

Year	Cauliflow- er	Celery	Corn	Onions
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	0.9	6.9	7.8	13.4
1976.....	1.0	7.4	8.0	13.1
1977.....	1.1	7.0	7.6	13.7
1978.....	.9	7.3	7.3	13.6
1979.....	1.3	7.4	7.2	14.7
1980.....	1.3	7.8	7.2	13.7
1981.....	1.6	7.7	7.1	13.0
1982.....	1.6	7.8	7.1	15.7
1983.....	1.7	7.4	7.3	15.4
1984.....	2.2	7.5	7.6	16.2
1985.....	2.3	7.4	7.6	16.9
1986.....	2.7	7.0	7.2	17.2
1987.....	2.7	7.1	7.4	16.8
1988.....	2.9	7.7	6.7	18.1
1989 ³	2.8	7.9	7.5	17.9

Year	Honeydew melons	Others ⁴	Total vegetables and melons	Potatoes ⁵	Sweet potatoes
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	1.1	1.5	74.9	52.6	5.4
1976.....	1.1	1.4	76.7	49.4	5.3
1977.....	1.1	1.4	76.9	50.1	4.8
1978.....	1.6	1.5	78.0	46.1	5.0
1979.....	1.7	1.9	81.0	49.6	5.1
1980.....	1.5	1.8	82.4	51.1	4.5
1981.....	1.6	1.8	80.9	45.7	4.9
1982.....	2.0	1.9	85.0	46.8	5.5
1983.....	1.9	2.1	82.5	49.7	4.6
1984.....	1.9	1.9	89.6	48.8	5.0
1985.....	2.2	2.3	90.5	46.7	5.4
1986.....	2.6	1.9	90.9	49.4	4.4
1987.....	2.4	2.3	95.4	48.2	4.5
1988.....	2.5	2.2	98.7	52.4	4.1
1989 ³	2.6	2.3	101.9	46.7	4.1

¹ Fresh vegetable consumption computed for total commercial production for fresh market, including an estimate for commercial production in States where estimates are not made separately. Does not include production for home use. Consumption obtained by dividing the total apparent consumption by total July 1 population as reported by the Bureau of the Census. All data for calendar year. ² Data series discontinued in 1982. Continued in 1984.

³ Preliminary.

⁴ Includes artichokes, garlic, and eggplant.

⁵ Includes table stock.

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Table 246.—Vegetables, canned: United States pack (24/303 basis) of selected items, 1975-89

Year	Aspara- gus	Beans, lima	Beans, snap	Beets	Carrots	Sweet corn	Peas, green	Pickles	Toma- toes ¹
	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases	1,000 cases
1975.....	3,551	3,729	55,390	13,394	5,035	57,458	35,172	75,516	53,465
1976.....	3,609	2,812	47,421	9,164	5,327	54,694	31,927	70,986	42,614
1977.....	3,705	2,657	54,494	11,348	5,973	56,300	30,238	69,871	54,124
1978.....	3,382	3,356	57,121	12,834	6,609	57,907	25,269	76,770	49,241
1979.....	2,819	3,061	66,281	14,990	6,928	60,022	36,492	74,925	52,896
1980.....	2,535	2,833	59,689	11,322	5,084	50,574	30,056	68,227	53,096
1981.....	2,544	2,602	52,808	9,555	4,639	57,949	27,296	64,443	51,937
1982.....	2,727	2,275	48,832	11,034	6,222	60,522	24,790	n.a.	42,968
1983.....	2,549	2,338	46,506	9,035	4,958	51,595	20,827	n.a.	37,597
1984.....	2,928	2,316	52,089	9,292	4,832	56,879	23,312	69,243	43,170
1985.....	3,097	1,966	55,503	9,386	4,787	55,729	29,306	77,776	37,485
1986.....	3,154	1,738	48,939	9,042	4,321	55,090	20,919	71,630	38,438
1987.....	3,361	1,326	56,081	12,127	5,249	59,117	23,057	71,170	44,634
1988.....	3,846	1,267	46,610	8,519	4,505	50,831	12,494	72,977	50,626
1989 ²	3,060	1,586	59,753	9,175	n.a.	65,437	24,336	n.a.	n.a.

¹ Data does not include concentrated crushed tomatoes published by California League of Processed Foods. Starting in 1984. ² Preliminary. n.a. not available.

Economic Research Service. Compiled mainly from reports of the National Food Processors Association.

Table 247.—Vegetables, canning: Per capita utilization (farm weight), United States, 1975-89 ¹

Year	Aspara- gus	Snap beans	Carrots	Peas	Tomato prod- ucts ²
	Pounds	Pounds	Pounds	Pounds	Pounds
1975.....	0.6	4.5	1.0	2.8	61.9
1976.....	.5	4.9	1.0	2.9	65.7
1977.....	.4	4.9	1.0	3.0	62.8
1978.....	.4	4.8	.9	2.9	58.8
1979.....	.3	4.7	1.0	2.6	64.3
1980.....	.4	4.6	.9	2.7	63.6
1981.....	.4	4.7	.9	2.7	59.3
1982.....	n.a.	4.2	.8	2.5	60.1
1983.....	n.a.	4.1	.8	2.4	60.8
1984.....	n.a.	3.7	1.1	2.0	68.4
1985.....	.3	3.8	.9	2.0	63.1
1986.....	.3	3.8	.8	2.2	63.4
1987.....	.3	3.7	.8	2.0	64.7
1988.....	.3	3.8	.9	1.7	61.1
1989 ³.....	.3	3.9	.8	1.7	n.a.

Year	Corn	Pickles	Total ⁴
	Pounds	Pounds	Pounds
1975.....	12.0	6.2	89.0
1976.....	13.1	6.1	94.2
1977.....	14.1	5.9	92.1
1978.....	13.2	6.0	87.0
1979.....	12.5	5.9	91.3
1980.....	12.9	5.6	90.7
1981.....	12.1	5.5	85.6
1982.....	11.4	n.a.	79.0
1983.....	11.5	n.a.	79.6
1984.....	10.1	5.2	90.5
1985.....	11.7	5.8	87.6
1986.....	11.9	5.3	87.7
1987.....	10.5	5.1	87.1
1988.....	10.1	5.2	83.1
1989 ³	9.3	5.1	n.a.

¹ Excludes soups and baby food. ² Includes paste, catsup, chili sauce, puree, and tomatoes. ³ Preliminary.

⁴ Totals may not add due to rounding. n.a. not available.

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Table 248.—Vegetables, frozen: Commercial pack, United States, 1980-89

Commodity	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Artichokes.....	984	1,693	1,419	1,075	1,643	1,202	1,417	1,451	1,052	1,542
Asparagus.....	11,232	11,289	16,958	13,599	15,099	19,990	18,008	16,725	18,055	19,741
Beans, butter.....	4,544	8,630	8,896		7,901	6,671	7,040	5,713	6,373	7,389
Beans, green, regular cut.....	155,996	160,020	190,658	162,699	158,413	179,349	170,694	159,027	145,187	237,853
Beans, green, French cut.....	71,713	78,639	82,485	78,825	81,355	82,544	63,892	67,297	65,138	73,682
Beans, green, wax.....	8,744	9,227	8,283	7,387	8,487	10,034	5,386	4,379	5,465	7,665
Beans, green, Italian.....	16,855	15,443	20,355	19,954	22,665	24,511	25,430	24,819	20,519	29,712
Beans, whole.....	7,473	9,534	11,886	14,308	20,275	19,576	22,130	26,426	25,661	31,641
Beans, baby lima.....	52,788	67,484	91,781	85,162	82,985	84,567	71,644	75,399	82,347	103,648
Beans, lima, Fordhook.....	33,120	21,356	31,941	28,055	39,494	32,490	29,211	26,951	20,911	17,086
Broccoli.....	290,657	306,755	333,516	285,358	365,764	356,806	324,519	312,460	289,446	290,566
Brussels sprouts.....	63,366	62,162	52,980	41,354	50,449	44,735	37,990	45,660	49,787	46,557
Carrots.....	191,151	269,845	296,679	212,500	255,585	254,586	270,363	294,596	294,673	358,848
Cauliflower.....	84,766	105,161	111,944	100,541	102,106	94,617	89,120	77,758	78,762	109,822
Celery.....	8,729	11,762	12,764	13,497	17,062	15,839	18,729	21,640	24,817	31,029
Collards.....	13,206	16,051	18,031	9,440	12,968	15,708	19,454	17,930	15,204	17,855
Corn, cut.....	270,531	313,982	455,714	367,272	323,977	360,297	364,891	433,158	423,339	502,980
Corn-on-cob.....	258,567	305,390	378,629	293,947	349,666	423,326	391,954	406,859	345,869	436,301
Kale.....	4,292	4,788	4,727	2,894	3,335	5,167	4,175	4,792	2,862	4,208
Mushrooms.....	14,708	22,074	23,443	24,539	24,457	28,669	32,410	37,372	32,713	35,084
Mustard greens.....	7,465	13,011	8,516	7,998	8,508	11,222	11,768	11,556	9,266	12,329
Okra.....	41,698	43,774	54,339	46,038	54,579	51,815	73,160	70,472	65,708	60,005
Onions.....	156,081	159,874	182,344	139,637	156,482	142,008	185,458	185,191	198,916	208,762
Peas, blackeye.....	20,933	33,404	23,821	22,926	28,207	31,675	22,586	29,003	30,158	33,500
Peas, green.....	315,577	333,888	404,830	354,480	423,740	485,985	373,605	400,231	358,779	469,404
Peppers, green and red.....	15,367	16,147	12,940	24,523	25,586	20,922	22,958	23,043	29,673	30,735
Potato products.....	3,853,156	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634	5,763,671	5,998,312
Pumpkin and cooked squash.....	23,000	37,806	24,897	17,759	15,824	20,734	22,319	30,393	23,870	21,538
Rhubarb.....	8,444	6,483	6,767	3,402	5,271	6,647	6,108	6,211	8,082	8,730
Spinach.....	169,298	183,646	150,667	143,205	171,249	174,802	157,119	171,208	172,849	159,891
Squash, summer.....	36,737	46,833	65,179	62,738	66,467	67,458	75,994	70,999	69,961	74,716
Sweet potatoes and yams.....	16,135	19,993	20,822	9,719	13,749	18,677	13,683	11,871	20,044	26,380
Turnip greens.....	10,705	13,020	9,799	11,925	10,299	14,446	14,371	17,205	17,003	17,024
Turnip greens with turnips.....	21,321	19,243	19,759	23,290	19,215	20,639	19,417	16,513	21,919	24,563
Miscellaneous vegetables.....	9,890	7,682	14,411	7,208	5,252	3,144	6,399	8,291	12,608	11,399
Total.....	6,269,229	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,400,233	8,750,687	9,520,497

Economic Research Service. Data from American Frozen Food Institute.

Table 249.—Vegetables, frozen: Commercial pack, by kinds and regions, United States, 1989

Commodity	East and South ¹	Midwest ²	West ³	Northwest ⁴	California	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Artichokes					1,542	1,542
Asparagus		⁹ 6,660			13,081	19,741
Beans, butter			⁶ 7,389			7,389
Beans, green, regular cut	67,613	58,154			112,086	237,853
Beans, green, French cut	31,048				42,634	73,682
Beans, wax		⁸ 7,665				7,665
Beans, green, Italian		⁹ 4,194	25,518			29,712
Beans, whole	11,459				20,182	31,641
Beans, baby lima		⁸ 22,207			¹⁰ 81,441	103,648
Beans, lima, Fordhook			⁶ 17,086			17,086
Broccoli		⁸ 21,855			¹⁰ 268,711	290,566
Brussels sprouts			⁶ 46,557			46,557
Carrots	51,709	37,724			¹⁰ 269,415	358,848
Cauliflower	⁷ 26,334	1,031			82,457	109,822
Celery						¹² 31,029
Collards	17,855					17,855
Corn, cut		⁹ 168,687	334,293			502,980
Corn-on-cob	42,036	143,380	250,885			436,301
Kale	4,208					4,208
Mustard greens	12,329					12,329
Okra	60,005					60,005
Onions			50,179			50,179
Peas, blackeye	33,500					33,500
Peas, green	49,817	126,597		¹⁰ 292,990		469,404
Peppers, green and red	3,168		¹¹ 27,567			30,735
Potato products		⁶ 1,020,817		4,977,495		5,998,312
Pumpkins and cooked squash		⁶ 21,538				21,538
Rhubarb			⁸ 8,730			8,730
Spinach		⁹ 54,881			105,010	159,891
Squash, summer						¹² 74,716
Sweet potatoes and yams	26,380					26,380
Turnip greens	17,024					17,024
Miscellaneous vegetables						¹² 11,399
Turnip greens with turnips	24,563					24,563
Mushrooms						¹¹ 35,084

¹ Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Mississippi, Missouri, New Jersey, New Mexico, New York, North Carolina, Oklahoma, Pennsylvania, Tennessee, Texas, and Virginia. ² Illinois, Indiana, Michigan, Minnesota, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. ³ California, Colorado, Idaho, Montana, Oregon, Washington, and Wyoming. ⁴ Idaho, Oregon, and Washington. ⁵ East, Midwest, South, and California. ⁶ East, South, and West. ⁷ East, South, and Northwest. ⁸ East, South, Midwest, and West. ⁹ East, South, and Midwest. ¹⁰ Northwest and California. ¹¹ East, West, and Midwest. ¹² Regional packs not reported.

Economic Research Service. Data from American Frozen Food Institute.

Table 250.—Frozen vegetables and potato products: Cold-storage holdings end of month, United States, 1988 and 1989

Month	Total green beans		Total broccoli		Total carrots		Total sweet corn	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	159,966	119,449	102,540	53,233	194,693	166,347	502,563	374,472
February	137,845	99,720	107,348	65,455	178,007	151,741	436,894	314,692
March	112,011	73,778	97,271	78,257	158,211	147,028	357,774	245,687
April	92,054	57,434	96,840	80,795	143,685	133,061	296,900	188,376
May	74,526	40,918	111,155	103,372	138,581	123,300	233,702	136,634
June	59,839	38,204	120,012	116,303	114,510	114,264	184,229	93,628
July	92,882	104,744	120,922	128,770	116,285	106,894	128,242	60,805
August	188,295	211,443	118,633	151,140	95,262	93,432	284,705	210,452
September	203,871	283,175	97,305	135,751	84,809	90,276	524,324	483,020
October	195,770	258,051	81,813	127,356	130,033	130,373	567,743	568,963
November	172,487	231,991	67,446	120,234	190,497	211,158	497,825	511,018
December	146,418	207,702	56,169	106,004	183,128	208,500	435,493	462,414

Month	Total lima beans		Cauliflower		Spinach		Brussels sprouts	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	50,241	34,492	80,694	65,410	45,533	27,504	39,915	33,429
February	42,578	30,792	79,416	58,141	36,884	24,473	29,291	30,470
March	36,009	24,426	68,371	49,252	68,289	54,387	26,107	27,344
April	29,462	17,486	61,043	43,612	95,217	76,087	22,924	23,992
May	22,798	13,548	51,534	37,736	90,358	85,817	20,435	21,808
June	18,266	9,135	44,947	31,440	88,287	80,851	18,302	21,026
July	11,630	7,084	41,432	28,481	74,067	73,598	15,330	18,626
August	22,443	20,894	40,898	28,334	67,238	61,815	13,832	16,074
September	63,250	58,008	37,703	41,204	57,116	54,686	14,922	15,773
October	62,875	67,446	55,045	62,317	53,397	54,256	24,511	22,948
November	51,396	63,463	66,262	73,001	44,896	45,033	33,274	33,281
December	41,827	60,631	63,398	76,240	35,045	41,838	37,136	33,947

Month	Total onions		Green peas		Total frozen vegetables		Total frozen potatoes	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January	27,509	33,313	211,300	133,165	1,888,724	1,475,678	899,037	927,447
February	28,116	36,867	168,127	114,540	1,684,048	1,318,569	977,707	944,319
March	28,155	34,585	128,554	80,480	1,479,938	1,161,640	965,112	947,256
April	28,025	34,721	107,739	74,844	1,353,418	1,068,674	950,724	968,664
May	29,954	40,848	97,626	62,448	1,278,499	1,002,194	963,920	986,661
June	29,062	36,854	162,651	133,084	1,258,687	1,022,314	1,000,771	961,528
July	31,692	42,315	264,341	284,476	1,337,218	1,245,233	882,537	739,899
August	36,339	38,311	313,091	325,896	1,673,607	1,578,852	834,974	611,328
September	32,507	44,068	282,612	327,649	1,880,576	1,979,305	917,902	734,230
October	31,789	43,846	248,017	300,740	1,933,669	2,155,482	1,047,505	878,746
November	33,002	42,072	201,647	265,944	1,836,251	2,081,035	1,044,422	937,990
December	33,388	39,648	166,799	232,114	1,671,706	1,956,785	988,688	917,349

National Agricultural Statistics Service.

Table 251.—Vegetables, freezing: Per capita utilization consumption (farm weight basis), United States, 1975–89

Year	Leafy, green, and yellow vegetables				
	Asparagus	Snap beans	Carrots	Peas	Broccoli
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	0.2	1.2	2.6	1.9	1.0
1976.....	.3	1.5	2.6	1.9	1.1
1977.....	.2	1.4	2.7	1.8	1.2
1978.....	.2	1.4	2.5	1.8	1.4
1979.....	.2	1.4	2.7	1.9	1.4
1980.....	.1	1.4	2.5	1.8	1.4
1981.....	.1	1.7	2.5	1.7	1.5
1982.....	n.a.	1.5	2.1	1.7	1.5
1983.....	n.a.	1.5	2.2	1.8	1.5
1984.....	.1	1.8	2.9	2.0	1.8
1985.....	.1	1.9	2.3	2.1	1.9
1986.....	.1	1.5	2.2	1.9	1.7
1987.....	.2	1.7	2.3	1.7	2.2
1988.....	.1	1.7	2.4	1.8	2.4
1989 ¹.....	.1	1.9	2.2	1.9	2.2

Year	Cauliflower	Corn, cut basis	Total vegetables excluding potatoes	Potato products	Grand total
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	0.6	6.3	13.8	37.2	51.0
1976.....	.6	5.9	13.9	42.3	56.2
1977.....	.7	7.4	15.4	42.4	57.8
1978.....	.8	6.3	14.4	43.4	57.8
1979.....	.7	6.8	15.1	38.3	53.4
1980.....	.8	6.4	14.4	35.2	49.6
1981.....	.9	6.2	14.6	41.2	55.8
1982.....	.9	5.7	13.4	38.4	51.8
1983.....	.8	6.6	14.4	38.9	53.3
1984.....	.9	7.9	17.4	43.4	58.9
1985.....	.9	7.8	17.0	45.1	62.1
1986.....	.9	7.5	15.8	45.8	61.6
1987.....	.9	7.8	16.8	47.3	64.1
1988.....	.9	8.6	17.9	42.5	60.4
1989 ¹.....	.8	7.8	16.9	46.6	63.5

¹ Preliminary. n.a. not available.
Economic Research Service.

Table 252.—Commercially produced vegetables: Per capita utilization, United States, 1975–89

Year	Farm weight equivalent					Percentage of annual total			
	Total fresh and processed	Fresh ¹	Processed ²			Fresh	Processed		
			Total	Canning	Freezing		Total	Canning	Freezing
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	177.7	74.9	102.8	89.0	13.8	42.1	57.9	50.1	7.8
1976.....	184.8	76.7	108.1	94.2	13.9	41.5	58.5	51.0	7.5
1977.....	184.4	76.9	107.5	92.1	15.4	41.7	58.3	49.9	8.4
1978.....	179.4	78.0	101.4	87.0	14.4	43.5	56.5	48.5	8.0
1979.....	187.4	81.0	106.4	91.3	15.1	43.2	56.8	48.7	8.1
1980.....	187.5	82.4	105.1	90.7	14.4	43.9	56.1	48.4	7.7
1981.....	181.1	80.9	100.2	85.6	14.6	44.7	55.3	47.3	8.1
1982.....	177.4	85.0	92.4	79.0	13.4	47.9	52.1	44.5	7.7
1983.....	176.5	82.5	94.0	79.6	14.4	46.7	53.3	45.1	8.2
1984.....	197.5	89.6	107.9	90.5	17.4	45.4	54.6	45.8	8.8
1985.....	195.1	90.5	104.6	87.6	17.0	46.4	53.6	44.9	8.7
1986.....	194.4	90.9	103.5	87.7	15.8	46.8	53.2	45.1	8.1
1987.....	199.3	95.4	103.9	87.1	16.8	47.9	52.1	43.7	8.4
1988.....	199.7	98.7	101.0	83.1	17.9	49.4	50.6	41.6	9.0
1989 ³	n.a.	101.9	n.a.	n.a.	16.9	n.a.	n.a.	n.a.	n.a.

¹ See table 245 for items included. Excludes melons, canned and frozen potatoes and canned sweet potatoes.

² See tables 246 and 251 for items included. Data exclude

³ Preliminary. n.a. not available.

Economic Research Service.

CHAPTER V

STATISTICS OF FRUITS, TREE NUTS, AND HORTICULTURAL SPECIALTIES

For most fruits, production is estimated at two levels—total and utilized. Total production is the quantity of fruit harvested plus quantities which would have been acceptable for fresh market or processing but were not harvested or utilized because of economic and other reasons. Utilized production is the amount sold plus the quantities used on farms where grown and quantities held in storage. The difference between total and utilized production is the quantity of marketable fruit not harvested and fruit harvested but not sold or utilized because of economic and other reasons. Production relates to the crop produced on all farms, except for apples and strawberries. In accordance with Congressional enactment, the Department's estimates of apple production since 1938 have related only to commercial production. The estimates for strawberries cover production on area grown primarily for sale. Statistics on utilization of fruit by commercial processors refer to first utilization, not necessarily final utilization. For example, frozen fruit includes fruit which may later be used for preserves.

The price shown for each crop is a marketing year average price for all methods of sales. Prices for most fresh fruit are the average prices producers received at the point of first sale, commonly referred to as the "average price as sold." Since the point of first sale is not the same for all producers, prices for the various methods of sale are weighted by the proportionate quantity sold. For example, if in a given State part of the fruit crop is sold f.o.b. packed by growers, part sold as bulk fruit at the packinghouse door, and some sold retail at roadside stands, the fresh fruit average price as sold is a weighted average of the average price for each method of sale.

The annual estimates are checked and adjusted at the end of each marketing season on the basis of shipment and processing records from transportation agencies, processors, cooperative marketing associations, and other industry organizations. The estimates are reviewed (and revised if necessary) at 5-year intervals, when the Census of Agriculture data become available. The Department's available statistics are limited to the major tree fruits and nuts and to grapes, cranberries, and strawberries, and exclude some States where census data indicate production is of only minor importance.

Table 253.—Fruits and planted nuts: Bearing area, United States, 1975–89

Year	Citrus fruits ¹	Major deciduous fruits ²	Miscellaneous fruits ^{3 4}	Planted nuts ⁵	Fruits and planted nuts
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1975	1,181.3	1,616.2	135.2	441.9	3,374.6
1976	1,178.6	1,665.9	138.0	455.1	3,437.6
1977	1,159.3	1,701.6	142.0	482.9	3,485.8
1978	1,142.0	1,619.4	222.5	520.7	3,504.6
1979	1,130.5	1,591.2	231.7	557.5	3,510.9
1980	1,143.0	1,607.5	242.4	563.1	3,556.0
1981	1,129.8	1,599.3	249.0	559.3	3,537.4
1982	1,124.3	1,640.3	200.7	579.1	3,544.4
1983	1,091.6	1,674.4	207.0	599.0	3,572.0
1984	1,007.9	1,703.8	209.7	623.8	3,545.2
1985	899.3	1,725.0	212.3	657.1	3,493.7
1986	818.9	1,727.7	215.8	669.5	3,431.9
1987	826.2	1,739.1	217.1	675.4	3,457.8
1988	834.6	1,748.9	216.3	686.3	3,486.0
1989 ⁶	843.4	1,747.7	210.3	680.1	3,481.5

¹ Oranges, tangerines, lemons, grapefruit, lemons, limes, and tangelos. Area is for the year of harvest.

² Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes. ³ Avocados, bananas, cranberries, dates, figs, kiwifruit (beginning 1980), olives, papayas, pineapples, and pomegranates.

⁴ Persimmons discontinued after 1977. ⁵ Almonds, hazelnuts (filberts), macadamia nuts, and walnuts. Pistachios beginning 1977. ⁶ Preliminary.

National Agricultural Statistics Service.

Table 254.—Fruits: Production in tons, United States, 1975-89 ¹

Year	Apples, commercial crop ²	Peaches	Pears	Grapes (fresh basis)	Cherries	Prunes and plums (fresh basis)	Apricots	Figs (fresh basis)	Olives
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975	3,765	1,418	748	4,366	301	656	183	38	67
1976	3,236	1,509	839	4,398	246	666	155	32	80
1977	3,370	1,478	782	4,298	254	727	147	42	43
1978	3,799	1,326	723	4,567	247	634	126	32	126
1979	4,063	1,469	855	4,989	269	661	144	39	62
1980	4,409	1,534	897	5,595	364	821	129	45	109
1981	3,870	1,385	897	4,458	221	765	89	38	45
1982	4,061	1,143	802	6,555	312	573	118	38	147
1983	4,189	928	774	5,521	259	674	93	34	61
1984	4,162	1,330	708	5,208	318	721	127	37	91
1985	3,957	1,074	745	5,616	276	648	131	33	96
1986	3,930	1,153	767	5,228	250	491	55	50	112
1987	5,371	1,191	938	5,267	395	977	114	52	68
1988	4,566	1,307	861	6,034	304	738	102	56	88
1989 ³	4,983	1,167	917	5,931	332	1,012	117	48	123

Year	Or- anges ⁴	Tanger- ines ⁴	Grape- fruit ⁴	Lem- ons ⁴	Limes ⁴	Tange- los ⁴	Tem- ples ⁴	Strawber- ries, commercial crop	Pineap- ples
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975	10,241	228	2,504	1,118	44	212	239	275	720
1976	10,493	236	2,850	670	43	248	248	290	680
1977	10,546	249	3,032	988	40	216	171	331	690
1978	9,546	228	3,030	991	18	221	221	330	675
1979	9,160	237	2,757	745	29	189	212	319	681
1980	11,832	275	2,986	789	44	288	270	351	657
1981	10,487	239	2,759	1,189	48	221	162	371	636
1982	7,600	288	2,878	942	58	229	144	442	670
1983	9,519	291	2,465	950	75	171	211	448	722
1984	7,243	262	2,184	788	63	162	130	497	600
1985	6,719	193	2,266	967	72	162	146	511	565
1986	7,476	196	2,352	692	76	133	133	512	646
1987	7,697	228	2,586	1,087	63	180	153	559	692
1988	8,551	218	2,801	785	57	189	160	590	659
1989 ³	8,878	239	2,861	759	55	171	169	555	580

Year	Avoca- dos ⁵	Nectar- ines	Cran- berries	Ba- nanas	Kiwi- fruit	Dates	Papay- as ⁶	Persim- mons	Pome- granates	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1975	87	111	104	3	.....	25	20	2	9	27,484
1976	141	128	120	3	.....	22	25	2	9	27,369
1977	118	155	105	3	.....	25	32	2	10	27,854
1978	146	148	123	3	.....	22	45	(⁷)	10	27,337
1979	102	172	124	3	.....	21	30	(⁷)	13	27,345
1980	269	191	135	2	5	22	37	(⁷)	17	32,073
1981	183	182	130	3	7	22	47	(⁷)	17	28,471
1982	237	178	152	3	16	24	42	(⁷)	16	27,668
1983	274	185	149	2	14	17	38	(⁷)	20	28,084
1984	230	183	166	5	18	22	60	(⁷)	20	25,335
1985	189	210	174	4	22	29	48	(⁷)	19	24,872
1986	303	172	185	5	24	18	42	(⁷)	22	25,023
1987	209	191	170	6	29	19	53	(⁷)	19	28,314
1988	192	200	204	7	33	22	35	(⁷)	20	28,779
1989 ³	134	200	187	6	40	22	37	(⁷)	19	29,542

¹ For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. ² Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees.

³ Preliminary. ⁴ Year harvest was complete. ⁵ Year of bloom. ⁶ Total production and yield were not estimated for the 1988 and 1989 crops. ⁷ Estimates discontinued after 1977 crop.

National Agricultural Statistics Service.

Table 255.—Apples, commercial crop: ¹ Production and season average price per pound, by States, 1987-89

State	Total production			Utilized production			Price ³ for crop of—		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents	Cents	Cents
AZ.....			24.8			24.8			9.3
AR.....	4.0	10.0	9.0	4.0	10.0	9.0	11.9	16.8	18.8
CA.....	650.0	630.0	675.0	650.0	630.0	675.0	11.1	18.7	15.0
CO.....	125.0	65.0	70.0	118.0	65.0	68.0	6.7	11.0	9.6
CT.....	39.0	41.0	36.0	38.0	41.0	35.0	21.2	24.4	24.6
DE.....	26.0	19.0	15.0	26.0	19.0	15.0	10.6	12.2	11.3
GA.....	50.0	33.0	25.0	40.0	32.0	24.0	11.3	13.1	14.0
ID.....	155.0	135.0	158.0	150.0	135.0	158.0	10.6	14.0	7.9
IL.....	103.0	85.0	91.0	96.0	82.0	87.0	11.9	16.3	13.0
IN.....	72.0	56.0	64.0	70.0	51.0	63.0	17.0	17.6	18.7
IA.....	10.0	9.5	11.5	9.3	8.9	10.8	20.3	21.4	20.8
KS.....	12.0	12.0	13.0	10.4	9.5	11.3	14.7	17.6	20.9
KY.....	21.0	11.0	16.0	16.5	9.5	12.0	15.3	15.8	18.0
ME.....	75.0	94.0	69.0	74.0	90.0	68.0	19.1	19.7	21.1
MD.....	40.0	54.0	37.0	38.0	52.0	37.0	10.3	12.2	11.2
MA.....	86.0	88.0	78.0	84.0	85.0	74.0	20.6	22.6	21.8
MI.....	1,050.0	830.0	950.0	1,050.0	830.0	950.0	7.6	8.8	8.2
MN.....	26.0	14.0	31.0	23.0	12.5	27.5	23.0	30.2	27.8
MO.....	53.0	56.0	55.0	50.0	54.0	54.0	9.9	17.2	13.6
NH.....	45.0	57.0	41.0	44.0	55.0	41.0	22.4	22.6	23.1
NJ.....	80.0	65.0	48.0	77.0	60.0	43.0	12.4	12.0	15.3
NM.....	12.6	10.0	5.3	12.6	10.0	5.3	15.6	19.5	20.0
NY.....	880.0	910.0	960.0	880.0	910.0	960.0	9.2	10.8	10.4
NC.....	390.0	350.0	220.0	390.0	350.0	220.0	6.4	8.0	8.8
OH.....	150.0	95.0	125.0	150.0	95.0	125.0	15.8	17.7	17.9
OR.....	210.0	155.0	160.0	205.0	155.0	160.0	5.4	11.9	5.0
PA.....	500.0	520.0	320.0	500.0	520.0	320.0	8.9	9.2	10.7
RI.....	5.5	6.0	5.5	5.5	6.0	5.5	23.5	24.6	24.4
SC.....	45.0	38.0	35.0	39.0	36.0	33.0	8.4	12.1	12.0
TN.....	15.0	12.5	11.5	14.0	11.0	10.0	13.4	15.6	14.7
UT.....	68.0	40.0	56.0	63.0	39.0	54.0	7.4	12.5	12.0
VT.....	44.0	45.0	45.0	42.0	43.0	43.0	18.0	18.4	19.2
VA.....	455.0	425.0	325.0	441.0	417.0	320.0	9.1	11.1	10.2
WA.....	5,000.0	3,900.0	5,000.0	4,800.0	3,900.0	5,000.0	7.3	13.0	8.7
WV.....	180.0	215.0	115.0	180.0	215.0	115.0	7.5	9.5	9.8
WI.....	65.0	45.0	65.0	61.0	43.0	62.0	15.5	21.2	15.6
US.....	10,742.1	9,131.0	9,965.6	10,451.3	9,081.4	9,920.2	8.6	12.7	10.2

¹ In orchards of 100 or more bearing-age trees. ² Preliminary. ³ Fresh fruit prices are equivalent packing-house-door returns for California, Oregon, New York, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 256.—Apples: Production and value, United States, 1975-89

Year	Apples, commercial crop ¹				Year	Apples, commercial crop ¹			
	Total production	Utilized production	Marketing year average price ²	Value		Total production	Utilized production	Marketing year average price ²	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1975	7,530.0	7,102.6	6.5	460,894	1983	8,378.5	8,357.9	10.5	879,496
1976	6,472.2	6,466.9	9.1	586,473	1984	8,324.0	8,309.1	11.1	925,579
1977	6,739.6	6,710.0	10.6	708,631	1985	7,914.5	7,826.8	11.7	914,308
1978	7,596.9	7,544.0	10.4	781,350	1986	7,859.0	7,833.3	13.4	1,046,779
1979	8,126.1	8,101.2	10.9	881,237	1987	10,742.1	10,451.3	8.6	903,059
1980	8,818.4	8,800.4	8.7	761,335	1988	9,131.0	9,081.4	12.7	1,150,387
1981	7,739.6	7,692.9	11.1	851,132	1989 ³	9,965.6	9,920.2	10.2	1,007,225
1982	8,122.0	8,110.2	10.0	808,944					

¹ In orchards of 100 or more bearing-age trees. ² Fresh fruit prices are equivalent returns at packinghouse-door for California, Oregon, New York, and Washington; for other States, returns at point of first sale. Processing prices are equivalent returns at processing plant door. ³ Preliminary.

National Agricultural Statistics Service.

Table 257.—Apples, fresh (dessert and cooking): Production in specified countries, 1986/87-1989/90 ¹

Continent and country	1986/87	1987/88	1988/89	1989/90 ²	Continent and country	1986/87	1987/88	1988/89	1989/90 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:					Other Europe—Con.				
Canada ³	388	506	486	455	Norway	33	46	45	45
Mexico	629	615	624	525	Sweden ³	96	71	90	99
United States ³	3,598	4,873	4,142	4,520	Switzerland ³	163	169	435	211
Total	4,615	5,994	5,252	5,500	Turkey	1,860	1,680	1,800	1,700
					Yugoslavia	637	423	518	600
South America:					Total	4,325	3,659	4,315	3,956
Argentina	1,078	925	970	1,050	Total Europe	12,656	11,140	13,207	11,742
Chile	580	630	660	755					
Total	1,658	1,555	1,630	1,805	Africa:				
European Community:					South Africa	470	526	535	542
Belgium and Luxembourg	270	236	272	322	Total	470	526	535	542
Denmark ³	93	46	90	85	Asia:				
France	1,867	1,985	1,926	1,848	Japan	986	998	1,042	1,075
Germany, Fed. Rep. of	2,180	1,077	2,467	1,726	Taiwan	16	16	12	16
Greece	316	289	269	260	Total	1,002	1,014	1,054	1,091
Italy	2,020	2,273	2,443	1,950	Oceania:				
Netherlands	445	340	363	430	Australia	362	304	344	308
Spain	829	971	828	733	New Zealand	344	383	359	393
United Kingdom	311	264	234	432	Total	706	687	703	701
Total EC	8,331	7,481	8,892	7,786	Total specified countries	21,107	20,916	22,381	21,381
Other Europe:									
Austria	283	206	296	251					
Hungary	1,253	1,064	1,131	1,050					

¹ May include some cider varieties in countries not reporting separately. ² Preliminary. ³ Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attaches, and Foreign Service Officers, results of office research, and related information.

Table 258.—Apples, commercial crop: Production and utilization, United States, 1975-89

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ²
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1975	7,530.0	7,102.6	4,357.0	1,026.7	229.5	206.6	^a 1,282.8
1976	6,472.2	6,466.9	3,915.8	919.9	229.3	220.4	^a 1,181.5
1977	6,739.6	6,710.0	3,859.6	1,075.9	225.5	160.9	^a 1,388.1
1978	7,596.9	7,544.0	4,210.4	1,224.2	221.0	207.4	^a 1,681.0
1979	8,126.1	8,101.2	4,288.6	1,336.7	255.7	136.6	^a 2,083.6
1980	8,818.4	8,800.4	4,934.1	1,202.4	194.7	167.5	^a 2,301.7
1981	7,739.6	7,692.9	4,442.2	1,002.4	190.0	172.7	^a 1,885.6
1982	8,122.0	8,110.2	4,536.7	1,248.6	209.9	190.8	^a 1,924.2
1983	8,378.5	8,357.9	4,620.5	1,204.4	283.3	169.6	^a 2,080.1
1984	8,324.0	8,309.1	4,654.6	1,176.7	288.6	198.1	^a 1,991.1
1985	7,914.5	7,826.8	4,221.7	1,255.4	242.4	194.3	^a 1,913.0
1986	7,859.0	7,833.3	4,463.6	1,179.0	199.4	257.3	^a 1,734.0
1987	10,742.1	10,451.3	5,610.1	1,305.8	283.8	249.1	^a 3,002.5
1988	9,131.0	9,081.4	5,240.3	1,399.1	285.0	265.7	^a 1,891.3
1989 ⁴	9,965.6	9,920.2	5,875.3	1,318.6	282.4	321.5	^a 2,122.4

¹ Includes "Home use." ² Mostly crushed for vinegar, cider, and juice. For some States, small quantities canned, dried, and frozen are included. ³ Includes the following quantities of juice and cider (million pounds): 1975—1,191.6; 1976—1,109.1; 1977—1,267.2; 1978—1,494.6; 1979—1,953.8; 1980—2,136.9; 1981—1,798.4; 1982—1,807.8; 1983—1,984.7; 1984—1,888.8; 1985—1,839.1; 1986—1,643.1; 1987—2,928.8; 1988—1,824.6; and 1989—2,065.7. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 259.—Apples, commercial crop: Production and utilization, by States, crop of 1989 (preliminary)

State	Total production	Utilized production	Utilization					
			Fresh ¹	Processed (fresh basis)				
				Canned	Dried	Frozen	Juice and cider	Other ²
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
CA	675.0	675.0	278.0	61.0	.....	.....	284.0	.....
MI	950.0	950.0	320.0	217.0	.....	140.0	270.0	3.0
NY	960.0	960.0	440.0	294.0	.....	70.0	124.0	32.0
OR	160.0	160.0	103.0	.....	.....	.....	35.0	.....
PA	320.0	320.0	120.0	162.0	.....	3.0	31.0	4.0
VA	325.0	320.0	145.0	114.0	.....	.....	33.0	.....
WA	5,000.0	5,000.0	3,500.0	245.0	.....	.....	990.0	.....
WV	115.0	115.0	35.0	58.0	.....	6.5	15.0	.5
Other States ³	1,460.6	1,420.0	934.3	167.6	282.4	102.0	283.7	17.2
US	9,965.6	9,920.2	5,875.3	1,318.6	282.4	321.5	2,065.7	56.7

¹ Includes "Home use." ² Mostly vinegar, wine, and jam. ³ Arizona, Arkansas, Colorado, Connecticut, Delaware, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Missouri, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Rhode Island, South Carolina, Tennessee, Utah, Vermont, and Wisconsin.

National Agricultural Statistics Service.

Table 260.—Apples, fresh: United States exports by country of destination and imports by country of origin, 1986/87–1988/89

Country	Year beginning July			Country	Year beginning July		
	1986/87	1987/88	1988/89		1986/87	1987/88	1988/89
EXPORTS	Metric tons	Metric tons	Metric tons	EXPORTS	Metric tons	Metric tons	Metric tons
Europe:				Netherlands Antilles.....	703	1,130	1,208
Finland.....	3,575	8,631	7,593	Trinidad and Tobago.....	361	370	11
France.....	118	83	267	Other countries.....	51	106	134
Iceland.....	1,262	1,612	1,450	Total.....	3,498	3,715	3,516
Ireland.....	922	1,233	2,385				
Netherlands.....	703	1,130	1,208	Other countries:			
Norway.....	4,213	7,165	6,455	Canada.....	42,072	41,099	51,541
Sweden.....	4,448	12,381	14,466	Taiwan.....	37,115	73,641	46,040
United Kingdom.....	8,694	16,073	18,300	French Pacific Islands.....	455	517	452
Other countries.....	1,144	9,759	2,151	Hong Kong.....	18,274	40,083	27,258
Total.....	25,079	58,062	54,275	Indonesia.....	0	0	0
				Kuwait.....	622	380	418
Latin America:				Liberia.....	8	8	4
Brazil.....	1,755	370	211	Malaysia.....	3,635	10,068	6,829
Colombia.....	2,931	4,970	4,184	New Zealand.....	1,448	1,598	1,604
Costa Rica.....	1,272	1,871	1,421	Other Pacific Islands.....	0	0	24
El Salvador.....	4	125	363	Philippines.....	16	1,073	6,119
Guatemala.....	0	0	89	Saudi Arabia.....	11,975	17,381	10,093
Nicaragua.....	0	0	0	Singapore.....	6,782	13,297	11,350
Mexico.....	2,589	6,591	7,527	Thailand.....	3,038	4,380	8,916
Honduras.....	921	1,359	796	United Arab Emirates.....	1,619	9,128	3,703
Panama.....	2,465	2,641	1,936	Other countries.....	34,467	1,204	431
Surinam.....	0	0	0	Total.....	123,661	213,857	174,782
Venezuela.....	0	0	32				
Other countries.....	4,099	150	106	Grand total.....	168,279	293,211	249,238
Total.....	16,036	17,577	16,665				
				IMPORTS			
Bermuda and Caribbean:				Australia.....	652	591	0
Bahamas.....	28	131	396	Canada.....	38,929	44,217	51,429
Barbados.....	175	26	18	Chile.....	43,315	38,450	27,219
Bermuda.....	109	116	269	France.....	7,456	31	1,238
Dominican Rep.....	1,231	1,178	906	New Zealand.....	35,599	26,666	21,383
French West Indies.....	60	62	35	South Africa.....	7,280	0	0
Haiti.....	117	412	322	Other countries.....	6,239	10,563	14,866
Leeward and Windward Islands.....	663	189	217	Total.....	139,470	120,518	116,135

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 261.—Apples: ¹ Foreign trade, United States, 1975–88

Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports		Year beginning July	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh ¹			Fresh	Dried, in terms of fresh ¹
	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons
1975.....	57,796	102,255	3,734	1982 ²	98,732	261,802	16,062
1976 ²	55,720	123,670	4,544	1983 ²	126,030	228,677	12,002
1977 ²	63,647	142,360	8,210	1984 ²	132,632	205,239	9,256
1978 ²	78,452	154,780	7,272	1985 ²	152,566	147,122	5,520
1979 ²	71,182	237,409	5,520	1986 ²	149,448	175,104	10,528
1980 ²	76,831	311,288	7,592	1987 ²	132,673	296,176	7,680
1981 ²	128,295	269,228	8,348	1988 ²	132,988	254,478	11,984

¹ Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported. ² Year beginning October.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 262.—Apricots: Production and value, United States, 1975-89 ¹

Year	Total production	Utilized production	Market year average price per ton ²	Value	Year	Total production	Utilized production	Market year average price per ton ²	Value
	Tons	Tons	Dollars	1,000 dollars		Tons	Tons	Dollars	1,000 dollars
1975.....	182,600	175,600	214.00	37,609	1983.....	93,050	93,000	315.00	29,311
1976.....	154,500	128,350	200.00	25,689	1984.....	126,750	116,700	308.00	35,948
1977.....	147,300	141,300	210.00	29,671	1985.....	130,850	105,800	264.00	27,936
1978.....	126,200	126,200	249.00	31,364	1986.....	54,650	54,600	403.00	21,987
1979.....	144,200	144,200	269.00	38,718	1987.....	114,350	106,250	347.00	36,882
1980.....	129,000	129,000	291.00	37,505	1988.....	101,600	93,500	363.00	33,927
1981.....	89,400	89,380	311.00	27,765	1989 ³	117,000	112,950	340.00	38,349
1982.....	118,200	118,060	324.00	38,287					

¹ Production, price, and value for California, Utah, and Washington. ² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level. ³ Preliminary.

National Agricultural Statistics Service.

Table 263.—Apricots: Production and marketing year average price per ton, by States, 1987-89

State	Total production			Utilized production			Price ² for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
CA.....	110,000	95,000	115,000	102,000	87,000	111,000	333.000	340.00	324.00
UT.....	450	500	400	350	400	350	420.00	380.00	470.00
WA.....	3,900	6,100	1,600	3,900	6,100	1,600	709.00	682.00	1,400.00
Total.....	114,350	101,600	117,000	106,250	93,500	112,950	347.00	363.00	340.00

¹ Preliminary. ² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 264.—Apricots, fresh: Production in specified countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Europe—Con.			
United States.....	103.7	92.2	106.1	Yugoslavia.....	21.3	28.0	35.0
Total.....	103.7	92.2	106.1	Total.....	568.3	627.3	589.5
South America:				Africa:			
Argentina.....	12.4	23.0	16.6	South Africa.....	41.9	44.2	43.0
Chile.....	11.8	12.5	14.0	Total.....	41.9	44.2	43.0
Total.....	24.2	35.5	30.6	Oceania:			
Europe:				Australia.....	29.5	29.5	27.0
France.....	96.8	94.6	129.5	New Zealand.....	8.7	8.5	9.0
Greece.....	109.8	153.9	83.9	Total.....	38.2	38.0	36.0
Italy.....	198.7	195.8	180.0	Total specified countries...	776.3	837.2	805.2
Spain.....	141.7	155.0	161.1				

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 265.—Apricots: Production and utilization, United States,¹ 1975–89

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh ²	Processed (fresh basis)		
				Canned ³	Dried	Frozen
	Tons	Tons	Tons	Tons	Tons	Tons
1975	182,600	175,600	10,100	122,800	28,500	14,200
1976	154,500	128,350	12,660	76,290	29,300	10,100
1977	147,300	141,300	11,960	79,340	39,500	10,500
1978	126,200	126,200	9,200	78,500	30,000	8,500
1979	144,200	144,200	10,890	84,310	39,000	10,000
1980	129,000	129,000	13,130	80,870	27,100	7,900
1981	89,400	89,380	12,230	43,650	25,000	8,500
1982	118,200	118,060	10,810	62,250	33,000	12,000
1983	93,050	93,000	9,750	44,050	28,200	11,000
1984	126,750	116,700	15,400	67,300	22,500	11,500
1985	130,850	105,800	19,350	61,450	13,000	12,000
1986	54,650	54,600	10,350	27,550	9,500	7,200
1987	114,350	106,250	15,950	53,600	23,600	13,100
1988	101,600	93,500	18,200	45,400	17,700	12,200
1989 ⁴	117,000	112,950	15,250	65,200	21,000	11,500

¹ California, Utah, and Washington. ² Includes "Home use." ³ Includes some quantities frozen or otherwise processed. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 266.—Apricots: Production and utilization, by States, crop of 1989 (preliminary)

State—	Total production	Utilized production	Utilization			
			Fresh	Processed (fresh basis)		
				Canned ¹	Dried	Frozen
	Tons	Tons	Tons	Tons	Tons	Tons
CA	115,000	111,000	13,500	65,000	21,000	11,500
UT	400	350	(²)	(²)	.....	.....
WA	1,600	1,600	(²)	(²)	.....	.....
US	117,000	112,950	15,250	65,200	21,000	11,500

¹ Some quantities used for juice are included in "Canned" to avoid disclosure of individual operations.

² Missing data not published to avoid disclosure of individual operations, but included in U.S. total.

National Agricultural Statistics Service.

Table 267.—Apricots: Foreign trade, United States, 1975–88

Year beginning July	Domestic exports				
	Fresh	Canned ¹	Dried ¹	Dried, in fruit salad ²	Total, in terms of fresh ³
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1975	2,653	958	798	227	8,608
1976 ⁴	1,807	1,091	1,056	200	9,043
1977 ⁴	(⁵)	1,242	(⁵)	230	2,070
1978 ⁴	(⁵)	2,249	(⁵)	173	2,503
1979 ⁴	(⁵)	927	(⁵)	296	2,185
1980 ⁴	(⁵)	1,499	(⁵)	331	2,777
1981 ⁴	(⁵)	956	(⁵)	243	1,935
1982 ⁴	(⁵)	1,012	(⁵)	211	1,811
1983 ⁴	(⁵)	410	(⁵)	205	1,348
1984 ⁴	(⁵)	342	(⁵)	243	1,494
1985 ⁴	(⁵)	371	(⁵)	270	1,654
1986 ⁴	(⁵)	387	(⁵)	228	1,450
1987 ⁴	(⁵)	906	(⁵)	169	1,519
1988 ⁴	(⁵)	884	(⁵)	366	2,515

¹ Net processed weight. ² Dried apricots are 12½ percent of total dried fruit for salad. ³ Dried fruit converted to unprocessed dry weight by dividing by 1.07. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 5.5 pounds fresh. Canned apricots converted to terms of fresh on the basis that 1 pound canned equals 0.717 pounds fresh. ⁴ Year beginning October. ⁵ Not available.

Economic Research Service.

Table 268.—Avocados: Production, marketing year average price per ton, and value, United States, 1975-76 to 1989-90

Season	California			Florida			California and Florida ³		
	Production ¹	Price ²	Value	Production ¹	Price ²	Value	Production ¹	Price ²	Value
	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars	Tons	Dollars	1,000 dollars
1975-76	58,400	1,037	60,561	29,000	400	11,600	87,400	826	72,161
1976-77	120,000	593	71,160	21,100	410	8,651	141,100	586	79,811
1977-78	107,000	740	79,130	10,700	690	7,383	117,700	735	86,563
1978-79	123,000	691	84,993	23,100	400	9,240	146,100	645	94,233
1979-80	75,000	1,496	112,200	27,300	597	16,298	102,300	1,256	128,498
1980-81	238,000	357	84,966	30,800	529	16,293	268,800	377	101,259
1981-82	157,000	689	108,173	25,800	501	12,926	182,800	662	121,099
1982-83	202,000	460	92,920	34,700	480	16,658	236,700	463	109,573
1983-84	247,000	370	91,390	27,000	460	12,409	274,000	379	103,799
1984-85	200,000	582	116,400	29,500	390	11,496	229,500	557	127,896
1985-86	160,000	1,020	163,200	28,500	576	16,415	188,500	953	179,615
1986-87	278,000	338	93,964	24,700	412	10,176	302,700	344	104,140
1987-88	180,000	1,140	205,200	29,000	312	9,048	209,000	1,030	214,248
1988-89	165,000	1,260	207,900	27,000	435	11,772	192,000	1,140	219,672
1989-90 ⁴	100,000	2,010	201,000	33,500	332	11,122	133,500	1,590	212,122

¹ Production is the quantity sold or utilized. ² Quantities processed are priced at the equivalent processing plant door level. ³ Season from Nov. 1 to Nov. 30 (following year) for California and June 20 to Feb. 28 for Florida.

⁴ Preliminary.

National Agricultural Statistics Service.

Table 269.—Avocados: Foreign trade, United States, 1975-88

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	Metric tons		Metric tons		Metric tons
1975	1,334	1980 ¹	1,351	1985 ¹	5,181
1976 ¹	1,994	1981 ¹	760	1986 ¹	4,171
1977 ¹	3,162	1982 ¹	936	1987 ¹	2,455
1978 ¹	1,725	1983 ¹	1,872	1988 ¹	4,523
1979 ¹	1,409	1984 ¹	3,107		

¹ Year beginning October.

Economic Research Service.

Table 270.—Bananas: Area, yield, production, marketing year average price, and value, Hawaii, 1975-89

Year	Area harvested	Yield per acre	Production	Price per pound	Value	Year	Area harvested	Yield per acre	Production	Price per pound	Value
	Acres	1,000 pounds	1,000 pounds	Cents	1,000 dollars		Acres	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1975	630	9.8	6,200	13.8	856	1983	860	5.2	4,470	31.2	1,395
1976	560	9.0	5,030	15.5	780	1984	870	10.2	8,900	30.0	2,670
1977	550	10.5	5,800	15.6	905	1985	840	9.7	8,160	30.3	2,472
1978	580	9.8	5,700	18.5	1,055	1986	980	9.9	9,700	30.0	2,910
1979	630	8.8	5,550	20.5	1,138	1987	1,070	10.7	11,400	29.7	3,386
1980	580	7.9	4,600	23.9	1,099	1988	1,070	12.3	13,200	33.0	4,356
1981	650	9.2	6,000	25.7	1,542	1989 ¹	1,000	11.9	11,900	36.5	4,344
1982	720	8.0	5,750	28.6	1,645						

¹ Preliminary.

National Agricultural Statistics Service.

Table 271.—Cherries: Production and value, United States, 1975-89

Year	All varieties			Sweet varieties				Tart varieties			
	Total production	Utilized production	Value	Total production	Utilized production	Marketing year average price per ton ¹	Value	Total production	Utilized production	Marketing year average price per pound ¹	Value
	Tons	Tons	1,000 dollars	Tons	Tons	Dollars	1,000 dollars	Million pounds	Million pounds	Cents	1,000 dollars
1975	300,960	278,760	88,486	155,710	155,710	407.00	63,398	290.5	246.1	10.2	25,088
1976	245,610	240,380	101,038	172,310	167,080	384.00	64,232	146.6	146.6	25.1	36,806
1977	254,370	253,870	135,363	148,920	148,420	495.00	73,414	210.9	210.9	29.4	61,949
1978	247,380	247,380	187,162	156,780	156,780	688.00	107,828	181.2	181.2	43.8	79,334
1979	269,380	269,230	191,687	184,180	184,030	604.00	111,182	170.4	170.4	47.2	80,505
1980	282,750	276,400	136,955	173,700	168,300	554.00	93,230	218.1	216.2	20.2	43,725
1981	221,140	213,920	160,054	154,540	147,520	685.00	100,994	133.2	132.8	44.5	59,060
1982	312,050	257,060	128,765	156,600	134,610	699.00	94,097	310.9	244.9	14.1	34,645
1983	258,500	245,565	177,811	181,200	168,765	630.00	106,305	154.6	153.6	46.6	71,506
1984	317,600	292,200	164,100	181,800	164,250	609.00	100,096	271.6	255.9	25.0	64,004
1985	275,600	266,600	163,881	132,500	126,500	799.00	101,033	286.2	280.2	22.4	62,848
1986	249,760	245,960	156,859	137,710	136,760	823.00	112,593	224.1	218.4	20.3	44,266
1987	394,500	356,020	181,653	215,000	213,020	748.00	159,296	359.0	286.0	7.8	22,357
1988	304,300	301,260	189,105	186,200	184,510	788.00	145,330	236.2	233.5	18.7	43,775
1989 ²	331,800	313,730	168,751	194,450	191,930	712.00	136,597	274.7	243.6	13.2	32,154

¹ Fresh fruit prices are equivalent packinghouse-door returns for Western States, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. ² Preliminary. National Agricultural Statistics Service.

Table 272.—Cherries: Production and season average price, by States, 1987-89

State	Total production			Utilized production			Price ² for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
SWEET VARIETIES	Tons	Tons	Tons	Tons	Tons	Tons	Dollars per ton	Dollars per ton	Dollars per ton
CA	45,000	26,000	26,000	45,000	26,000	26,000	636.00	771.00	939.00
ID	2,100	2,300	2,700	1,700	2,200	2,500	741.00	935.00	761.00
MI	32,000	28,000	25,000	32,000	28,000	25,000	576.00	657.00	468.00
MT	3,800	3,300	(^a)	2,600	1,900	(^a)	877.00	548.00	(^a)
NY	1,500	1,400	1,350	1,250	1,270	1,180	727.00	820.00	783.00
OR	54,000	60,000	53,000	54,000	60,000	51,000	690.00	647.00	549.00
PA	800	1,200	700	700	1,200	650	1,480.00	1,260.00	1,500.00
UT	1,800	2,000	1,700	1,770	1,940	1,600	667.00	776.00	800.00
WA	74,000	62,000	84,000	74,000	62,000	84,000	923.00	983.00	802.00
Total 9 States	215,000	186,200	194,450	213,020	184,510	191,930	748.00	788.00	712.00
TART VARIETIES	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents per pound	Cents per pound	Cents per pound
CO	2.5	1.3	.5	.8	.8	.4	10.1	25.1	12.5
MI	265.0	180.0	190.0	225.0	180.0	170.0	7.5	18.3	12.9
NY	35.0	22.0	31.0	24.4	21.5	22.5	9.5	22.5	15.1
OR	8.0	4.0	15.0	6.2	4.0	15.0	5.5	19.5	15.0
PA	5.5	9.0	6.0	4.7	9.0	5.7	16.6	25.6	18.0
UT	29.0	11.0	24.0	20.0	9.6	22.5	8.3	19.0	12.1
WI	14.0	8.9	8.2	4.9	8.6	7.5	6.0	11.3	11.1
Total 7 States	359.0	236.2	274.7	286.0	233.5	243.6	7.8	18.7	13.2

¹ Preliminary. ² Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. ³ No significant commercial production due to frost.

National Agricultural Statistics Service.

Table 273.—Cherries, fresh: Production in specified countries, 1987–89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Europe—Con.			
Canada.....	15.4	12.3	13.8	Italy.....	158.4	144.0	140.0
United States.....	357.9	276.0	301.0	Spain.....	68.7	47.3	60.4
Total.....	373.3	288.3	314.8	Yugoslavia.....	180.8	200.0	190.0
				Total.....	793.9	731.9	730.3
South America:				Asia:			
Chile.....	6.3	8.6	10.6	Japan.....	18.8	18.4	14.5
Total.....	6.3	8.6	10.6	Total.....	18.8	18.4	14.5
Europe:				Oceania:			
France.....	101.2	72.8	98.3	Australia.....	6.1	7.1	7.0
Germany, Fed. Rep. of.....	250.9	232.8	205.8	Total.....	6.1	7.1	7.0
Greece.....	33.9	35.0	35.8	Total specified countries...	1,198.4	1,054.3	1,077.2

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 274.—Cherries: Production and utilization, by States, crop of 1989 (preliminary)

Variety and State	Total production	Utilized production	Utilization			
			Fresh ¹	Processed (fresh basis)		
				Canned and otherwise processed ²	Frozen	Brined
SWEET VARIETIES	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
CA.....	26,000	26,000	18,500			
MI.....	25,000	25,000	4,500	1,850	2,850	15,800
OR.....	53,000	51,000	15,000	5,000	3,000	28,000
WA.....	84,000	84,000	61,300	6,100	7,700	8,900
Other States ³	6,450	5,930	4,210	2,000	920	6,300
US.....	194,450	191,930	103,510	14,950	14,470	59,000
TART VARIETIES						
MI.....	95,000	85,000	1,500	18,500	61,000	4,000
Other States ⁴	42,350	36,800	1,850	6,850	27,550	550
US.....	137,350	121,800	3,350	25,350	88,550	4,550

¹ Includes "Home use." ² Sweet varieties include some quantities used for juice, wine, brandy, freezing, etc.; tart varieties include some quantities used for juice, jam, jelly, brining, etc. ³ Idaho, Montana, New York, Pennsylvania, and Utah. ⁴ Colorado, New York, Oregon, Pennsylvania, Utah, and Wisconsin.

National Agricultural Statistics Service.

Table 275.—Cherries: Production and utilization, United States,¹ 1975-89

Crop of—	Total production	Utilized production	Utilization of quantities sold			
			Fresh ²	Processed (fresh basis)		
				Canned ³ ⁴	Frozen	Brined
SWEET VARIETIES	Tons	Tons	Tons	Tons	Tons	Tons
1975	155,710	155,710	77,300	14,520	.....	63,890
1976	172,310	167,080	94,510	21,180	.....	51,390
1977	148,920	148,420	72,320	21,990	.....	54,110
1978	156,780	156,780	66,670	28,060	.....	62,050
1979	184,180	180,030	86,030	23,300	.....	74,700
1980	173,700	168,300	86,460	23,340	.....	59,500
1981	154,540	147,520	71,738	20,765	.....	55,017
1982	156,600	134,610	67,610	21,200	.....	45,800
1983	181,200	168,765	95,090	28,402	.....	45,273
1984	181,800	164,250	90,490	23,310	.....	50,450
1985	132,500	126,500	53,040	22,050	.....	51,410
1986	137,710	136,760	68,320	17,900	.....	50,540
1987	215,000	213,020	108,140	29,950	.....	74,930
1988	186,200	184,510	87,230	29,660	.....	67,620
1989 ⁵	194,450	191,930	103,510	29,420	.....	59,000
TART VARIETIES	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1975	290.5	246.1	7.2	89.7	149.2	.....
1976	146.6	146.6	6.0	42.4	98.2	.....
1977	210.9	210.9	6.1	65.5	139.3	.....
1978	181.2	181.2	5.0	49.9	126.3	.....
1979	170.4	170.4	4.3	49.8	116.3	.....
1980	218.1	216.2	6.3	74.5	135.4	.....
1981	133.2	132.8	4.0	41.3	87.5	.....
1982	310.9	244.9	7.4	76.7	160.8	.....
1983	154.6	153.6	5.3	43.1	105.2	.....
1984	271.6	255.9	7.9	81.4	166.6	.....
1985	286.2	280.2	7.6	65.8	206.8	.....
1986	224.1	218.4	5.5	53.4	159.5	.....
1987	359.0	286.0	9.1	88.7	188.2	.....
1988	236.2	233.5	5.0	67.0	161.5	.....
1989 ⁵	274.7	243.6	6.7	59.8	177.1	.....

¹ California, Colorado, Idaho, Michigan, Montana, New York, Oregon, Pennsylvania, Utah, Washington, and Wisconsin. ² Includes "Home use." ³ For tart varieties, includes small quantities brined or used for juice, wine, preserves, and candied cherries. ⁴ Sweet varieties includes small quantities used for juice, wine, brandy, etc.

⁵ Preliminary.

National Agricultural Statistics Service.

Table 276.—Cherries: Foreign trade, United States, 1975-88

Year beginning July	Imports		Domestic exports		Year beginning July	Imports		Domestic exports	
	Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned		Natural, sulfured, or in brine	Dried or preserved	Fresh	Canned
	Metric tons	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	Metric tons	Metric tons
1975	129	756	6,683	931	1982 ¹	942	381	7,831	1,726
1976 ¹	76	582	5,426	1,417	1983 ¹	1,675	550	7,937	1,767
1977 ¹	103	103	7,200	1,697	1984 ¹	2,629	1,078	7,103	1,576
1978 ¹	1,164	568	10,686	2,395	1985 ¹	4,541	1,924	11,438	2,452
1979 ¹	646	117	9,095	2,677	1986 ¹	2,047	723	23,918	2,640
1980 ¹	297	157	9,597	2,810	1987 ¹	3,488	455	25,899	2,293
1981 ¹	445	233	9,257	1,881	1988 ¹	2,420	1,020	27,066	2,207

¹ Year beginning October.

Economic Research Service.

Table 277.—Citrus fruits: Production and value, United States, for season of 1975-76 to 1989-90

Season ¹	Production	Marketing year average returns per box ²	Value	Quantities processed ³	Production	Marketing year average returns per box ²	Value	Quantities processed ³
Oranges ⁴					Grapefruit			
	<i>1,000 boxes</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 boxes</i>	<i>1,000 boxes</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 boxes</i>
1975-76	242,780	2.80	678,717	192,540	70,080	2.21	154,802	37,536
1976-77	242,950	3.34	811,196	195,782	74,600	2.35	175,467	46,042
1977-78	220,120	5.45	1,198,657	175,549	74,660	2.54	189,692	44,382
1978-79	210,600	6.15	1,295,735	170,359	67,380	3.43	231,271	38,550
1979-80	273,630	4.85	1,328,054	218,880	73,200	4.13	302,190	44,719
1980-81	244,580	5.30	1,295,281	194,144	67,860	4.74	321,517	39,953
1981-82	176,690	6.53	1,167,301	130,230	70,550	3.24	227,592	41,786
1982-83	225,180	5.96	1,317,056	165,725	61,200	3.06	186,197	28,687
1983-84	169,440	7.68	1,303,885	121,410	53,840	4.09	220,196	27,999
1984-85	158,350	9.16	1,455,410	109,693	56,150	5.47	310,530	32,782
1985-86	175,440	6.18	1,090,428	120,945	57,870	5.87	341,957	30,550
1986-87	181,175	7.29	1,322,499	127,860	63,775	6.53	414,395	33,692
1987-88	200,250	8.52	1,773,681	146,729	68,700	7.01	478,588	35,505
1988-89	209,050	8.59	1,848,574	157,191	69,500	6.02	418,133	34,873
1989-90 ⁵	186,075	6.87	1,454,930	128,570	48,600	7.81	383,878	26,285
Lemons					Limes			
1975-76	17,620	5.79	101,949	6,685	1,080	9.27	10,012	494
1976-77	26,000	3.56	92,500	12,910	1,000	11.61	11,610	486
1977-78	26,100	4.24	110,635	13,900	460	19.11	8,791	120
1978-79	19,600	6.87	134,361	7,630	720	16.16	11,637	239
1979-80	20,750	8.11	168,354	10,045	1,100	12.55	13,800	478
1980-81	31,300	4.83	151,174	19,910	1,200	11.10	13,325	503
1981-82	24,300	4.26	105,688	14,250	1,300	12.44	16,170	675
1982-83	25,000	4.37	109,298	13,535	1,700	13.09	22,255	725
1983-84	20,750	5.66	117,408	9,480	1,440	12.16	17,506	615
1984-85	25,450	6.61	168,276	13,850	1,640	12.13	19,901	615
1985-86	18,200	11.93	217,065	6,810	1,725	12.70	21,901	845
1986-87	28,600	6.37	182,171	16,255	1,450	13.50	19,569	600
1987-88	20,650	9.78	202,046	8,585	1,300	17.93	23,314	440
1988-89	20,000	11.73	234,606	7,720	1,250	17.18	21,474	300
1989-90 ⁵	18,600	14.96	278,205	6,373	1,650	13.87	22,884	640
Tangerines ⁶					Tangelos			
1975-76	5,360	4.85	25,976	1,728	5,500	2.52	13,860	3,255
1976-77	5,770	5.56	32,104	1,753	4,800	2.77	13,296	2,505
1977-78	5,200	6.84	35,560	2,069	4,900	4.72	23,128	2,913
1978-79	5,400	8.07	43,572	2,309	4,200	5.55	23,327	2,479
1979-80	6,300	5.81	36,595	2,736	6,400	4.54	29,051	4,593
1980-81	5,560	6.45	35,850	2,495	4,900	5.70	27,943	2,844
1981-82	6,580	8.12	53,125	3,093	5,100	5.46	27,865	3,320
1982-83	6,850	8.48	56,457	2,654	3,800	6.34	24,102	1,922
1983-84	6,175	8.57	52,020	2,342	3,600	6.33	22,796	2,004
1984-85	4,620	14.42	65,554	1,630	3,600	9.54	34,354	2,132
1985-86	4,700	13.34	61,952	1,521	2,950	6.49	19,141	1,612
1986-87	5,470	12.89	69,720	1,651	4,000	6.16	24,626	2,690
1987-88	5,140	15.67	80,400	1,502	4,200	7.76	32,605	2,805
1988-89	5,590	14.92	83,119	1,956	3,800	8.26	31,392	2,452
1989-90 ⁵	3,900	18.07	70,366	1,113	2,950	6.79	20,045	1,832
Templets								
1975-76	5,500	2.89	15,895	3,171				
1976-77	3,800	3.39	12,882	2,616				
1977-78	4,900	5.35	26,215	2,851				
1978-79	4,700	6.49	30,510	2,565				
1979-80	6,000	4.57	27,439	3,216				
1980-81	3,600	6.00	21,595	2,493				
1981-82	3,200	5.89	18,862	2,362				
1982-83	4,700	5.97	28,056	3,137				
1983-84	2,900	7.41	21,489	2,138				
1984-85	3,250	8.07	26,225	2,624				
1985-86	2,950	5.44	16,052	2,037				
1986-87	3,400	6.03	20,513	2,347				
1987-88	3,550	7.87	27,940	2,258				
1988-89	3,750	7.43	27,844	2,881				
1989-90 ⁵	1,400	7.44	10,421	1,255				

¹ See footnote 1, table 278.² Equivalent returns per box at the intake packinghouse door for all methods of sale.³ Includes quantities used for juice, concentrates, grapefruit segments, and other citrus products. In some seasons, includes appreciable quantities of oranges and lemons in California delivered to processing plants which were not utilized, but for which growers received payment. ⁴ Includes small quantities of tangerines in Texas. Excludes Florida templets. ⁵ Preliminary. ⁶ Statistics for 1981-82 and after include honey tangerines grown in Florida. Florida "All tangerines" include Sunburst tangerines beginning with the 1989-90 season.

National Agricultural Statistics Service.

Table 278.—Citrus fruits: Production and marketing year average returns per box, by States, 1987-88 to 1989-90

Crop and State	Production of crop for season ¹ of—			Price ³ of crop for season of—		
	1987-88	1988-89	1989-90 ²	1987-88	1988-89	1989-90 ²
ORANGES						
Early, midseason, and Navel varieties: ⁴	1,000 boxes	1,000 boxes	1,000 boxes	Dollars	Dollars	Dollars
AZ.....	610	550	380	10.43	11.94	10.54
CA.....	31,500	34,000	44,100	7.82	7.57	8.12
FL.....	78,500	85,300	68,100	8.47	8.54	6.92
TX.....	940	1,200	1,050	9.03	8.02	7.34
Total early, midseason, and Navel varieties ⁵	111,550	121,050	113,630	8.33	8.32	7.36
Valencia:						
AZ.....	1,210	1,150	1,190	7.08	7.20	7.85
CA.....	27,500	24,900	29,000	7.70	8.23	8.12
FL.....	59,500	61,300	42,100	10.48	10.26	8.75
TX.....	490	650	155	7.92	6.62	3.53
Total Valencia ⁵	88,700	88,000	72,445	9.67	9.69	8.50
All oranges:						
AZ.....	1,820	1,700	1,570	8.20	8.73	8.50
CA.....	59,000	58,900	73,100	7.77	7.85	8.12
FL.....	138,000	146,600	110,200	9.33	9.26	7.62
TX.....	1,430	1,850	1,205	8.65	7.53	6.85
US, all oranges ⁵	200,250	209,050	186,075	8.92	8.90	7.80
GRAPEFRUIT						
AZ.....	1,950	1,950	2,200	4.51	4.66	10.33
CA, all.....	9,100	8,000	8,700	6.24	6.42	9.39
Desert.....	4,200	3,500	3,700	5.07	4.88	8.24
Other areas.....	4,900	4,500	5,000	7.20	7.56	9.50
FL, all.....	53,850	54,750	35,700	7.19	6.08	7.43
Colored seedless.....	21,900	25,700	16,300	7.54	6.32	8.17
White seedless.....	29,200	27,700	18,000	6.99	5.97	6.92
Other.....	2,750	3,350	1,400	6.59	5.28	5.44
TX.....	3,800	4,800	2,000	6.78	5.23	7.08
US, all grapefruit ⁵	68,700	69,500	48,600	7.01	6.02	7.81
LEMONS						
AZ.....	3,650	3,800	2,900	8.61	8.93	13.93
CA.....	17,000	16,200	15,700	10.04	12.39	15.15
US, lemons ⁵	20,650	20,000	18,600	9.78	11.73	14.96
LIMES						
FL.....	1,300	1,250	1,650	17.93	17.18	13.87
TANGELOS						
FL.....	4,200	3,800	2,950	7.76	8.26	6.79
TANGERINES						
AZ.....	600	650	600	15.19	15.35	16.49
CA.....	2,090	2,040	1,600	15.45	14.08	18.30
FL.....	2,450	2,900	1,700	15.91	15.31	18.35
US, tangerines ⁵	5,140	5,590	3,900	15.67	14.92	18.07
TEMPLES						
FL.....	3,550	3,750	1,400	7.87	7.43	7.44

¹ Season begins with the bloom of the first year shown and ends with completion of harvest the following year. For oranges, harvest in California usually starts in late October of the first year shown and continues into December of the following year. In other States, harvest of oranges begins about Oct. 1 and ends in early summer. Grapefruit harvest for the California desert and for all other States begins in the fall and ends by early summer. Harvest of other California grapefruit begins in March of the year after bloom through October. California lemons are harvested from Aug. 1 to July 31; Arizona lemons are harvested from Aug. 15 to Mar. 1. Florida limes are picked mostly from April through March. Florida tangelos are harvested largely from October through April.

² Preliminary.
³ Equivalent returns per box at the intake packinghouse-door for all methods of sale. ⁴ Navel and miscellaneous varieties in Arizona and California; early and midseason varieties in Florida and Texas, including small quantities of tangerines in Texas. ⁵ Net content of box varies. Approximate averages are as follows: Oranges—Arizona and California, 75 pounds; Florida, 90 pounds; and Texas, 85 pounds; grapefruit—Arizona and California desert, 64 pounds; other California areas, 67 pounds; Florida, 85 pounds; Texas, 80 pounds; lemons—76 pounds; limes—88 pounds; tangelos—90 pounds; tangerines—Arizona and California, 75 pounds; Florida, 95 pounds; and temples—90 pounds.

National Agricultural Statistics Service.

Table 279.—Citrus fruits: Production in specified countries, 1987-88 to 1989-90 ¹

Commodity and country	1987-88	1988-89	1989-90 ²	Commodity and country	1987-88	1988-89	1989-90 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
Oranges:				Grapefruit:			
Algeria.....	183	208	230	Algeria.....	2	3	4
Mexico.....	1,942	2,268	2,200	Mexico.....	105	75	100
United States ³	7,903	8,269	7,142	United States.....	2,541	2,580	1,770
Argentina.....	650	580	750	Argentina.....	176	150	170
Brazil.....	10,400	14,150	12,150	Brazil.....	24	25	25
Chile.....	120	115	115	Uruguay.....	8	8	9
Uruguay.....	68	70	81	Cuba.....	285	385	400
Cuba.....	508	520	520	Greece.....	5	6	6
Greece.....	462	770	933	Egypt.....	2	2	2
Italy.....	1,343	2,170	1,655	Italy.....	3	7	6
Spain.....	2,442	2,216	2,419	Spain.....	18	22	23
Cyprus.....	138	170	165	Cyprus.....	96	115	105
Gaza Strip.....	83	98	168	Gaza Strip.....	10	14	14
Israel.....	627	546	700	Israel.....	317	353	400
Turkey.....	700	700	600	Turkey.....	27	30	27
Egypt.....	1,387	1,199	1,390	Morocco.....	4	4	4
Morocco.....	891	994	810	South Africa.....	135	135	130
South Africa.....	682	604	640	Australia.....	30	31	30
Australia.....	394	524	486				
Japan.....	67	58	54	Total.....	3,788	3,945	3,225
Total.....	30,990	36,229	33,208				
Tangerines:				Lemons:			
Mexico.....	151	157	169	Algeria.....	8	8	8
United States ⁴	369	372	275	Mexico.....	9	9	9
Argentina.....	286	290	240	United States.....	712	689	659
Brazil ⁵	453	467	482	Argentina.....	517	350	500
Uruguay.....	35	37	43	Brazil ⁵	50	50	50
Cuba.....	25	26	30	Chile.....	80	85	75
Greece.....	49	69	73	Uruguay.....	54	54	62
Italy.....	333	411	400	Greece.....	89	170	179
Spain.....	1,307	1,260	1,047	Egypt.....	2	2	2
Cyprus.....	6	11	6	Italy.....	592	708	650
Israel.....	122	90	150	Spain.....	760	733	670
Turkey.....	280	320	250	Cyprus.....	46	63	49
Egypt.....	134	151	155	Gaza Strip.....	12	13	12
Morocco.....	303	420	250	Israel.....	47	37	30
Japan.....	2,941	2,387	2,379	Japan.....	2	2	2
Australia.....	39	44	42	Turkey.....	220	280	170
Algeria.....	84	93	105	Morocco.....	20	21	20
Total.....	6,917	6,605	6,096	South Africa.....	65	66	62
				Australia.....	35	36	35
				Total.....	3,320	3,376	3,244

¹ Split years refer to harvest periods which usually begin in the fall and extend through the following spring. This corresponds roughly with October-June in the Northern Hemisphere and April-December of the second year shown in the Southern Hemisphere. ² Preliminary. ³ Includes temple oranges. ⁴ Includes tangelos. ⁵ Sao Paulo only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information. U.S. data are from USDA Crop Reporting Board.

Table 280.—Canned citrus juices, single-strength: United States packs, 1975-88

Season	Orange juice				Blended orange and grapefruit juice				Tangerine and tangerine blends
	Florida	California and Arizona	Texas	Total	Florida	California and Arizona	Texas	Total	
	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹
1975.....	10,635	1,570	1,256	13,461	1,687	144	938	2,769	19
1976.....	10,767	1,183	2,485	14,435	1,308	187	89	1,584	35
1977.....	11,654	1,748	2,427	15,829	1,664	194	87	1,945	8
1978.....	13,222	2,795	2,209	18,226	1,255	95	80	1,430	19
1979.....	13,869	2,079	2,419	18,367	1,314	138	82	1,534	17
1980.....	13,012	2,397	2,195	17,604	984	51	47	1,082	9
1981.....	11,504	1,169	1,057	13,730	727	43	42	812	6
1982.....	9,802	(³)	(³)	⁴ 9,802	650	(³)	(³)	⁴ 650	4
1983.....	9,084	(³)	(³)	⁴ 9,084	555	(³)	(³)	⁴ 555	(²)
1984.....	7,425	(³)	(³)	⁴ 7,425	615	(³)	(³)	⁴ 615	1
1985.....	7,596	(³)	(³)	⁴ 7,596	577	(³)	(³)	⁴ 577	(²)
1986.....	8,122	(³)	(³)	⁴ 8,122	533	(³)	(³)	⁴ 533	(²)
1987.....	7,256	(³)	(³)	⁴ 7,256	449	(³)	(³)	⁴ 449	(²)
1988.....	8,164	(³)	(³)	⁴ 8,164	424	(³)	(³)	⁴ 424	(²)

¹ Equivalent cases of 24 No. 2 cans. ² Pack data not available. ³ Not available. ⁴ Florida only.
Economic Research Service.

Table 281.—Concentrated citrus juices: Annual packs, Florida, 1975-88

Season beginning December	Frozen concentrated juice ¹			
	Orange ²	Grapefruit	Tangerine	Blend
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1975.....	186,265	9,316	1,111	1
1976.....	158,035	11,258	926	18
1977.....	161,204	13,693	1,672	1
1978.....	173,100	14,243	1,384	3
1979.....	231,257	19,443	2,142	1
1980.....	174,537	20,763	1,199	3
1981.....	133,294	21,869	943	18
1982.....	169,577	14,483	505	1
1983.....	121,216	19,291	806	(³)
1984.....	118,472	24,802	797	(³)
1985.....	132,405	24,162	1,029	(³)
1986.....	145,056	28,875	373	(³)
1987.....	169,973	31,906	583	(³)
1988.....	174,717	32,466	495	10

¹ Net pack. ² Frozen orange juice reported in 45.0° Brix through 1978; 43.4° Brix for 1979-80; and 42.0° Brix thereafter. Includes concentrated juice for manufacture. ³ Not available.
Economic Research Service.

Table 282.—Grapefruit sections and single-strength juice, canned: Annual pack by producing areas, 1975–88

Season	Sections, Florida	Juice (single-strength)			
		Florida	Texas	California and Arizona	Total
	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹	1,000 cases ¹
1975.....	1,602	18,890	4,030	2,901	25,821
1976.....	1,722	18,809	5,867	3,013	27,689
1977.....	1,753	17,246	4,690	4,443	26,379
1978.....	1,823	16,764	3,462	4,949	25,175
1979.....	1,966	16,604	3,606	4,018	24,228
1980.....	1,671	14,231	2,005	3,193	19,429
1981.....	1,343	15,724	1,894	2,811	20,429
1982.....	1,235	11,651	(²)	(²)	11,651
1983.....	(²)	9,513	(²)	(²)	³ 9,513
1984.....	(²)	10,552	(²)	(²)	³ 10,552
1985.....	(²)	9,948	(²)	(²)	³ 9,948
1986.....	(²)	8,982	(²)	(²)	³ 8,982
1987.....	(²)	7,724	(²)	(²)	³ 7,724
1988.....	(²)	7,956	(²)	(²)	³ 7,956

¹ Equivalent cases of 24 No. 2 cans. ² Not available. ³ Florida only.
Economic Research Service.

Table 283.—Citrus juice: United States exports by kind, 1975/76–1988/89

Year beginning November	Orange juice			Grapefruit juice		
	Single strength	Concentrate		Single strength	Concentrate	
		Hot pack	Frozen		Hot pack	Frozen
	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons	1,000 gallons
1975/76.....	10,693	1,354	15,161	5,115	306	1,292
1976/77.....	10,472	1,663	17,086	5,445	310	1,988
1977/78.....	9,819	(¹)	(¹)	4,358	(¹)	(¹)
1978/79.....	8,827	(¹)	(¹)	3,832	(¹)	(¹)
1979/80.....	10,105	(¹)	(¹)	3,977	(¹)	(¹)
1980/81.....	9,282	² 6,763	² 74,563	3,834	² 1,906	² 13,839
1981/82.....	7,678	² 7,028	² 63,291	3,119	² 1,637	² 13,652
1982/83.....	6,834	² 5,942	² 69,659	2,966	² 1,379	² 9,752
1983/84.....	5,356	² 4,324	² 65,716	1,756	² 1,532	² 12,259
1984/85.....	6,075	² 3,736	² 47,372	1,575	² 1,556	² 10,951
1985/86.....	3,534	² 3,479	² 37,376	1,482	² 2,197	² 8,970
1986/87.....	4,495	² 3,586	² 50,240	2,107	² 1,928	² 12,814
1987/88.....	7,560	² 4,356	² 54,121	2,716	² 2,148	² 19,102
1988/89.....	11,064	² 5,401	² 56,498	4,932	² 1,448	² 10,916

¹ Omitted because data misleading. Reporting of concentrated juices was changed from concentrated to single-strength gallons in January 1978, but some custom ports inadvertently failed to do so until later in the year.
² Single strength equivalent.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 284.—Oranges, fresh: ¹ United States exports by country of destination, 1986–88

Country of destination	Year beginning November			Country of destination	Year beginning November		
	1986	1987	1988		1986	1987	1988
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				French West Indies	22	41	0
Belgium and Luxembourg..	2,143	287	34	Netherlands Antilles.....	30	39	102
Denmark.....	194	0	0	Other countries	1	5	80
France.....	1,589	91	320	Total	107	274	319
Germany, Fed. Rep. of.....	68	140	25				
Iceland.....	0	221	0	Other countries:			
Netherlands.....	11,706	2,817	3,169	Australia.....	6,601	6,274	8,997
Norway.....	186	268	37	Canada.....	110,808	95,184	89,428
Sweden.....	2,278	604	935	Taiwan.....	7,205	5,721	5,153
United Kingdom.....	1,703	646	655	French Pacific Islands	358	210	245
Other countries.....	143	224	382	Hong Kong.....	103,917	78,137	101,958
Total	20,010	5,298	5,557	Indonesia.....	0	0	0
				Japan.....	121,299	115,387	118,765
Latin America:				Korea, Rep. of.....	171	385	587
Mexico.....	414	2,464	1,449	Malaysia.....	8,767	9,138	10,568
Other countries.....	42	61	13	New Zealand.....	2,804	3,887	5,035
Total	456	2,525	1,467	Philippines.....	0	514	1,743
				Singapore.....	13,811	11,775	17,349
Bermuda and Caribbean:				Other countries.....	228	61	158
Bahamas.....	30	57	111	Total	375,969	326,673	342,637
Barbados.....	24	132	22				
Bermuda.....	0	0	4	Grand total.....	396,542	334,770	367,329

¹ Includes temple oranges.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 285.—Fresh citrus fruits: Foreign trade, United States, 1975–88

Year ¹	Oranges		Grapefruit		Lemons		Limes		Tangerines	
	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	21,473	440,159	4,246	277,547	(²)	209,990	4,645	2,999	.....	14,860
1976.....	45,764	407,315	8,891	277,271	166	238,908	7,221	1,999	.....	15,736
1977.....	25,719	337,435	2,867	260,827	28	217,443	11,286	2,551	³ 6,124	16,994
1978.....	28,536	300,285	2,722	278,443	355	180,498	11,939	3,516	22,616	21,642
1979.....	14,924	459,393	4,215	272,625	55	170,093	17,487	3,453	19,811	19,897
1980.....	7,765	411,608	4,085	297,753	45	175,128	21,253	2,457	12,915	16,030
1981.....	13,681	372,142	997	269,645	5,159	136,081	14,532	3,025	16,810	12,923
1982.....	6,215	440,702	2,070	301,835	1,579	151,891	11,689	2,230	9,882	17,485
1983.....	17,247	383,333	1,306	243,390	5,501	152,673	20,638	2,289	18,452	10,195
1984.....	24,034	395,642	2,312	198,624	6,846	146,997	30,991	2,328	6,895	15,773
1985.....	28,097	401,008	2,625	269,225	12,872	139,910	28,101	2,357	9,144	8,559
1986.....	19,746	399,979	1,769	355,858	8,319	145,968	29,522	4,547	13,706	15,778
1987.....	22,183	335,091	5,084	462,138	6,800	140,839	40,843	2,839	14,954	14,712
1988.....	8,532	364,736	3,856	481,017	5,578	139,573	43,254	2,814	17,334	19,975

¹ Year beginning October for all commodities. Prior to 1976, year beginning November for oranges, tangerines, and lemons; September for grapefruit and July for limes. ² Less than one metric ton. ³ Beginning 1977, tangerines reported separately.

Economic Research Service.

Table 286.—Dates: Production, marketing year average price per ton, and value, California, 1975–89

Year	Production	Price ¹	Value	Year	Production	Price ¹	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	24,800	298	7,390	1983.....	17,000	638	10,846
1976.....	22,400	346	7,750	1984.....	22,200	791	17,560
1977.....	25,400	338	8,585	1985.....	28,900	860	24,854
1978.....	21,550	485	10,452	1986.....	17,800	828	14,738
1979.....	21,300	514	10,948	1987.....	19,400	872	16,917
1980.....	22,400	634	14,204	1988.....	22,000	896	19,712
1981.....	22,300	639	14,250	1989 ²	22,000	990	21,780
1982.....	22,900	736	17,590				

¹ Quantities processed are priced at the equivalent processing plant door level.² Preliminary.

National Agricultural Statistics Service.

Table 287.—Dates: Foreign trade, United States, 1975–88

Year beginning July	Imports	Year beginning July	Imports	Year beginning July	Imports
	<i>Metric tons</i>		<i>Metric tons</i>		<i>Metric tons</i>
1975.....	17,624	1980 ¹	1,270	1985 ¹	2,833
1977 ¹	16,542	1982 ¹	9,475	1986 ¹	3,059
1978 ¹	18,429	1983 ¹	10,314	1987 ¹	5,593
1979 ¹	12,905	1984 ¹	14,601	1988 ¹	10,046

¹ Year beginning October.

Economic Research Service.

Table 288.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 1975–89 ¹

Year	Area harvested	Yield per acre ²	Total production ³	Utilized production	Price ⁴	Value	Quantities processed ⁵
	<i>Acres</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Barrels ⁶</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Barrels ⁶</i>
1975.....	23,300	89.1	2,075,100	2,075,100	13.10	27,112	1,444,200
1976.....	23,080	104.3	2,407,300	2,407,300	13.50	32,424	1,755,500
1977.....	22,540	93.3	2,102,200	2,102,200	18.10	38,154	1,454,000
1978.....	23,120	106.3	2,458,500	2,458,500	21.50	52,903	1,917,700
1979.....	23,200	106.7	2,475,500	2,475,500	26.70	66,039	2,067,000
1980.....	23,190	116.3	2,697,500	2,697,500	33.20	89,462	2,259,600
1981.....	23,150	112.0	2,593,000	2,593,000	41.50	107,494	1,977,100
1982.....	23,350	130.1	3,039,000	3,039,000	40.20	122,297	2,380,800
1983.....	24,050	124.2	2,986,000	2,986,000	44.80	133,830	2,588,300
1984.....	24,620	134.9	3,322,000	3,322,000	46.70	155,081	2,940,500
1985.....	25,700	135.6	3,485,000	3,485,000	46.30	161,439	3,093,200
1986.....	26,300	140.3	3,690,000	3,690,000	44.70	165,086	3,201,400
1987.....	26,700	127.0	3,391,000	3,391,000	44.50	150,906	3,030,000
1988.....	27,300	149.5	4,080,000	4,080,000	45.70	186,340	3,738,800
1989 ⁷	27,500	136.3	3,747,000	3,747,000	42.60	159,490	3,407,500

¹ Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin. ² Derived from total production.³ Differences between utilized and total production are quantities unharvested for economic reasons or excess cullage and/or set-aside production under provisions of the Cranberry Marketing Order.⁴ Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.⁵ Mainly for canning.⁶ Barrels of 100 pounds.⁷ Preliminary.

National Agricultural Statistics Service.

Table 289.—Cranberries: Area, yield, production, and season average price per barrel, by States, 1987-89

State	Area harvested			Yield per acre			Total production			Price ² for crop of		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Bbl.³</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
MA	12,100	12,300	12,300	119.8	151.3	147.6	1,449,000	1,861,000	1,815,000	44.40	46.30	44.00
NJ	3,200	3,300	3,200	87.5	112.1	91.0	280,000	370,000	292,000	45.10	45.10	41.00
OR	1,200	1,300	1,400	118.3	118.5	131.4	142,000	154,000	184,000	44.90	44.90	40.70
WA	1,300	1,300	1,400	100.0	103.8	111.4	130,000	135,000	156,000	45.00	44.90	40.70
WI	8,900	9,100	9,200	156.2	171.4	141.0	1,390,000	1,560,000	1,300,000	44.40	45.20	41.40
US	26,700	27,300	27,500	127.0	149.5	136.3	3,391,000	4,080,000	3,747,000	44.50	45.70	42.60

¹ Preliminary. ² Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. ³ Barrels of 100 pounds.

National Agricultural Statistics Service.

Table 290.—Figs: Production, marketing year average price per ton, and value, California, 1975-89

Year	Dried (dry basis)				Fresh and canned		Total		
	Production			Price	Production (fresh basis)	Price ¹	Production (fresh basis) ²	Price ¹	Value
	Total	Standard	Substandard						
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	11,610	8,840	2,770	585.00	3,170	236.00	38,000	198.00	7,524
1976	10,070	7,000	3,070	522.00	1,900	271.00	32,100	180.00	5,778
1977	12,700	11,000	1,700	869.00	3,400	345.00	41,500	295.00	12,243
1978	9,300	6,930	2,370	940.00	3,700	352.00	31,600	318.00	10,049
1979	11,640	10,240	1,400	1,217.00	3,800	416.00	38,720	399.00	15,444
1980	14,450	11,400	3,050	888.00	2,100	493.00	45,450	306.00	13,910
1981	12,200	10,150	2,050	961.00	1,600	542.00	38,200	329.00	12,579
1982	12,200	9,650	2,550	820.00	n.a.	n.a.	37,700	278.00	10,498
1983	10,500	9,000	2,050	600.00	n.a.	n.a.	34,000	206.00	6,994
1984	11,500	9,800	1,700	836.00	n.a.	n.a.	36,500	288.00	10,508
1985	10,400	8,570	1,830	848.00	n.a.	n.a.	32,600	305.00	9,953
1986	16,200	12,450	3,750	806.00	n.a.	n.a.	50,000	283.00	14,173
1987	16,850	14,100	2,750	952.00	n.a.	n.a.	52,300	331.00	17,336
1988	18,000	15,850	2,150	993.00	n.a.	n.a.	55,500	345.00	19,145
1989	15,700	14,000	1,700	101.00	n.a.	n.a.	48,000	346.00	16,624

¹ Quantities processed are priced at the equivalent processing plant door level. ² Dried figs converted to fresh basis at ratio of 3 pounds fresh to 1 pound dried. n.a. not available.

National Agricultural Statistics Service.

Table 291.—Figs, dried: Foreign trade, United States, 1975-88

Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports	Year beginning July	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1975	1,773	1,002	1980 ¹	1,843	1,388	1985 ¹	3,367	735
1976 ¹	3,211	711	1981 ¹	2,068	1,241	1986 ¹	2,740	612
1977 ¹	3,368	1,310	1982 ¹	2,517	731	1987 ¹	2,941	773
1978 ¹	3,387	1,472	1983 ¹	2,745	995	1988 ¹	4,856	(²)
1979 ¹	1,975	1,645	1984 ¹	3,132	1,293			

¹ Year beginning October. ² Not available.

Economic Research Service.

Table 292.—Grapes: Production, value, and raisin production, United States, 1975–89

Year	Grapes				Raisins, production (California) ³	Year	Grapes				Raisins, production (California) ³
	Production (fresh basis)		Market year average price per ton ²	Value			Production (fresh basis)		Market year average price per ton ²	Value	
	Total ¹	Utilized ¹					Total ¹	Utilized ¹			
	1,000 tons	1,000 tons	Dol-lars	1,000 dollars	1,000 tons		1,000 tons	1,000 tons	Dol-lars	1,000 dollars	1,000 tons
1975 *.....	4,366	4,365	142.00	618,178	283	1982 *.....	6,555	5,865	232.00	1,358,872	292
1976 *.....	4,398	4,093	155.00	635,570	283	1983 *.....	5,521	5,376	199.00	1,067,245	396
1977 *.....	4,298	4,296	194.00	835,299	248	1984 *.....	5,208	5,183	190.00	984,324	335
1978 *.....	4,567	4,318	233.00	1,005,794	229	1985 *.....	5,616	5,616	172.00	965,378	346
1979 *.....	4,989	4,989	236.00	1,179,238	302	1986 *.....	5,228	5,227	226.00	1,183,242	277
1980 *.....	5,595	5,595	240.00	1,341,092	309	1987 *.....	5,267	5,253	259.00	1,358,728	356
1981 *.....	4,458	4,458	297.00	1,323,513	256	1988 *.....	6,034	6,032	266.00	1,603,295	363
						1989 * ⁵	5,931	5,930	309.00	1,831,951	430

¹ Numbers rounded.² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.³ Dried basis; 1 ton of raisins equivalent to about 4–5 tons of fresh grapes. Excludes table varieties dried.⁴ Difference between total and utilized production reflects loss of California raisins laid but not harvested due to severe weather damage: 1976–65,000 tons (293,000 tons fresh equivalent); 1978–56,300 tons (248,000 tons fresh equivalent); and total U.S. grape loss, 1975–1,280 tons fresh equivalent; 1976–305,350 tons fresh equivalent; 1977–1,550 tons fresh equivalent; 1978–248,900 tons fresh equivalent; 1979–300 tons fresh equivalent; 1980–300 tons fresh equivalent; 1981–600 tons fresh equivalent; 1982–690,200 tons fresh equivalent; 1983–145,500 tons fresh equivalent; 1984–25,100 tons fresh equivalent; 1985–100 tons fresh equivalent; 1986–600 tons fresh equivalent; 1987–13,500 tons fresh equivalent; 1988–1,600 tons fresh equivalent; 1989–800 tons fresh equivalent.⁵ Preliminary.

National Agricultural Statistics Service.

Table 293.—Grapes: Production and marketing year average price per ton, by States, 1987–89

State	Total production			Utilized production			Price ² for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
AZ.....	31,000	25,500	26,500	21,000	24,000	26,500	1,010.00	1,250.00	674.00
AR.....	5,000	7,000	6,500	5,000	7,000	5,900	269.00	300.00	319.00
CA:									
All varieties.....	4,660,000	5,520,000	5,390,000	4,660,000	5,520,000	5,390,000	258.00	263.00	309.00
Wine varieties.....	1,950,000	2,180,000	2,190,000	1,950,000	2,180,000	2,190,000	248.00	297.00	340.00
Table varieties.....	540,000	770,000	630,000	540,000	770,000	630,000	435.00	363.00	449.00
Raisin varieties ³	2,170,000	2,570,000	2,570,000	2,170,000	2,570,000	2,570,000	223.00	205.00	248.00
GA.....	2,700	2,500	2,800	2,700	2,500	2,700	870.00	911.00	781.00
MI.....	60,000	53,000	43,000	60,000	53,000	43,000	260.00	256.00	265.00
MO.....	2,750	3,250	3,600	2,750	3,250	3,600	351.00	311.00	348.00
NY.....	178,000	157,000	152,000	178,000	157,000	152,000	228.00	230.00	254.00
NC.....	1,800	3,300	1,700	1,800	3,200	1,700	360.00	330.00	406.00
OH.....	10,000	8,900	8,000	10,000	8,900	8,000	216.00	264.00	266.00
OR ⁴		7,750	7,450		7,750	7,450		610.00	740.00
PA.....	65,500	63,000	60,000	65,500	63,000	60,000	235.00	214.00	274.00
SC.....	700	500	300	700	500	200	344.00	394.00	810.00
WA.....	249,500	182,000	229,000	246,000	182,000	229,000	225.00	245.00	302.00
US.....	5,266,950	6,033,700	5,930,850	5,253,450	6,032,100	5,930,050	259.00	266.00	309.00

¹ Preliminary.² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.³ Fresh equivalent of dried and not dried.⁴ Oregon included beginning with 1988 crop.

National Agricultural Statistics Service.

Table 294.—Grapes: Production and utilization, United States, 1975-89

Crop of—	Total production	Utilized production	Utilization of quantities sold				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Crushed for wine	Crushed for juice, etc. ²
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1975 ³	4,366,350	4,365,070	498,190	52,700	1,252,400	2,275,480	286,300
1976 ³	4,398,330	4,092,980	466,330	48,000	982,500	2,321,710	274,440
1977 ³	4,297,750	4,296,200	481,350	54,000	1,134,000	2,411,500	215,350
1978 ³	4,566,700	4,317,800	437,250	55,000	759,000	2,671,450	395,100
1979 ³	4,989,000	4,988,700	524,100	60,000	1,380,900	2,713,100	310,600
1980 ³	5,595,200	5,594,900	569,090	63,000	1,620,000	2,996,300	346,510
1981 ³	4,458,200	4,457,600	526,490	42,000	1,032,000	2,521,550	335,560
1982 ³	6,555,100	5,864,900	706,380	35,000	1,547,500	3,227,300	348,720
1983 ³	5,521,200	5,375,700	671,290	35,000	1,785,000	2,423,100	461,810
1984 ³	5,208,400	5,183,300	676,890	30,000	1,392,500	2,694,650	389,260
1985 ³	5,616,200	5,616,100	781,390	45,000	1,565,700	2,921,010	303,000
1986 ³	5,227,900	5,227,300	779,420	40,000	1,188,500	2,909,020	310,360
1987 ³	5,266,950	5,253,450	716,220	40,000	1,439,000	2,647,010	411,220
1988 ³	6,033,700	6,032,100	831,320	40,000	1,827,000	2,932,110	351,670
1989 ³ ⁴	5,930,850	5,930,050	787,230	40,000	1,864,000	2,850,050	388,770

¹ Includes "Home use." ² Mostly juice, but includes some quantities used for jam, jelly, etc. ³ Difference between total and utilized production reflects loss of California raisins laid but not harvested due to severe weather damage: 1976—65,000 tons (293,000 tons fresh equivalent); 1978—56,300 tons (248,000 tons fresh equivalent); and total U.S. grape loss, 1975—1,230 tons fresh equivalent; 1976—305,350 tons fresh equivalent; 1977—1,550 tons fresh equivalent; 1978—248,900 tons fresh equivalent; 1979—300 tons fresh equivalent; 1980—300 tons fresh equivalent; 1981—600 tons fresh equivalent; 1982—690,200 tons fresh equivalent; 1983—145,500 tons fresh equivalent; 1984—25,100 tons fresh equivalent; 1985—100 tons fresh equivalent; 1986—600 tons fresh equivalent; 1987—13,500 tons fresh equivalent; 1988—1,600 tons fresh equivalent; 1989—800 tons fresh equivalent. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 295.—Grapes: Production and utilization, by States, crop of 1989 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried ²	Crushed for—	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
AZ	26,500	26,500	17,900	.....	.....	.....	.....
AR	6,500	5,900	600	.....	.....	1,200	4,100
CA:							
All varieties	5,390,000	5,390,000	760,000	40,000	1,864,000	2,726,000	.....
Wine varieties.....	2,190,000	2,190,000	45,000	.....	.....	2,145,000	.....
Table varieties.....	630,000	630,000	405,000	.....	14,000	211,000	.....
Raisin varieties.....	2,570,000	2,570,000	310,000	40,000	1,850,000	370,000	.....
GA	2,800	2,700	1,700	.....	.....	.....	.....
MI	43,000	43,000	700	.....	.....	2,400	39,900
MO	3,600	3,600	250	.....	.....	1,570	.....
NY	152,000	152,000	4,000	.....	.....	56,700	91,300
OH	8,000	8,000	200	.....	.....	1,200	6,600
OR ⁴	7,450	7,450	.....	.....	.....	7,450	.....
PA	60,000	60,000	1,000	.....	.....	8,500	50,500
WA	229,000	229,000	200	.....	.....	43,000	185,800
Other States ⁵	2,000	1,900	680	.....	.....	2,030	10,570
US	5,930,850	5,930,050	787,230	40,000	1,864,000	2,850,050	388,770

¹ Includes "Home use." ² Equivalent raisins produced (dried basis): 430,000 tons. ³ Mostly juice, but includes some quantities used for jam, jelly, etc. ⁴ Oregon included beginning with 1988 crop. ⁵ North Carolina and South Carolina.

National Agricultural Statistics Service.

Table 296.—Raisins and currants: United States exports by country of destination, 1986/87-1988/89

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1986/87	1987/88	1988/89		1986/87	1987/88	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Bermuda and Caribbean:			
Austria.....	124	23	12	Bahamas.....	55	64	63
Belgium and Luxembourg.....	2,382	1,255	2,095	Bermuda.....	49	62	46
Denmark.....	5,199	6,905	5,490	Dominican Republic.....	199	123	222
Finland.....	2,732	2,189	2,868	Haiti.....	2	2	1
France.....	357	406	438	Jamaica.....	5	10	84
Germany, Fed. Rep. of.....	8,103	9,699	8,371	Netherlands Antilles.....	41	34	42
Iceland.....	138	170	158	Trinidad and Tobago.....	95	59	54
Ireland.....	202	119	270	Other countries.....	8	23	21
Netherlands.....	3,736	4,559	3,261	Total.....	454	382	533
Norway.....	2,195	2,098	2,488				
Sweden.....	4,911	4,631	5,728	Other countries:			
Switzerland.....	513	508	428	Australia.....	126	252	48
United Kingdom.....	14,588	20,605	21,256	Canada.....	3,355	4,453	4,836
Other countries.....	133	549	600	Hong Kong.....	531	606	333
Total.....	45,313	53,716	53,463	Indonesia.....	171	71	109
				Israel.....	608	993	464
Latin America:				Japan.....	19,304	25,186	21,422
Brazil.....	500	113	184	Korea, Rep. of.....	2,959	2,800	3,530
Colombia.....	135	98	107	Malaysia.....	884	1,092	1,097
Costa Rica.....	10	9	19	New Zealand.....	944	921	906
Ecuador.....	4	0	2	Philippines.....	430	382	277
El Salvador.....	6	7	3	Saudi Arabia.....	295	954	918
Guatemala.....	14	23	27	Singapore.....	1,107	1,221	1,228
Honduras.....	13	10	15	Taiwan.....	2,740	3,326	3,497
Mexico.....	24	41	304	Thailand.....	73	72	99
Panama.....	471	347	397	Other countries.....	157	423	286
Venezuela.....	908	859	439	Total.....	33,664	42,757	39,550
Other countries.....	6	4	41	Grand total.....	81,526	98,367	95,079
Total.....	2,091	1,511	1,538				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 297.—Grapes and raisins: Foreign trade, United States 1975-88

Year	Grapes		Raisin ¹		Year	Grapes		Raisin ¹	
	Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports		Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	21,750	109,425	296	64,873	1982 ²	127,711	129,340	5,298	58,010
1976 ²	30,409	89,631	11,923	37,039	1983 ²	145,649	111,165	2,737	56,495
1977 ²	28,094	102,154	998	56,870	1984 ²	194,068	88,135	675	65,728
1978 ²	43,245	124,654	16,392	21,812	1985 ²	202,592	102,859	4,451	82,093
1979 ²	44,571	93,253	321	77,823	1986 ²	247,846	114,060	6,954	92,916
1980 ²	57,451	135,945	2	68,907	1987 ²	307,459	116,720	9,508	104,215
1981 ²	95,019	97,654	617	56,734	1988 ²	280,902	136,246	11,443	102,894

¹ Raisins converted to sweatbox or production basis by multiplying by 1.08. ² Year beginning October for both grapes and raisins. Prior to 1976, year beginning for grapes; September for raisins.

Economic Research Service.

Table 298.—Nectarines: Production, utilization, and value, California, 1975-89

Crop of—	Production	Utilization		Marketing year average price per ton ²	Value
		Fresh ¹	Processed (fresh basis)		
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	111,000	110,000	1,000	275.00	30,525
1976	128,000	127,500	500	245.00	31,360
1977	155,000	155,000	.....	205.00	31,775
1978	148,000	144,700	3,300	307.00	45,436
1979	172,000	171,000	1,000	197.00	33,884
1980	191,000	190,500	500	231.00	44,045
1981	182,000	181,500	500	229.00	41,610
1982	178,000	175,900	2,100	249.00	44,254
1983	185,000	183,800	1,200	299.00	55,375
1984	183,000	182,800	200	316.00	57,779
1985	210,000	208,000	2,000	327.00	68,723
1986	172,000	170,000	2,000	440.00	75,720
1987	191,000	190,500	500	343.00	65,545
1988	200,000	199,000	1,000	394.00	78,861
1989 ³	200,000	198,000	2,000	396.00	79,290

¹ Includes "Home use." ² Processing fruit prices are equivalent returns at processing plant door. ³ Preliminary.

National Agricultural Statistics Service.

Table 299.—Olives: Production, value, and utilization, California, 1975-89

Year	Production	Marketing year average price per ton	Value	Utilization		
				Crushed for oil	Canned	Other
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1975	67,000	336.00	22,512	3,800	53,300	9,900
1976	80,000	330.00	26,400	3,700	65,500	10,800
1977	43,000	403.00	17,329	2,300	32,300	8,400
1978	126,000	303.00	38,178	7,300	99,100	19,600
1979	62,000	408.00	25,296	1,600	52,300	8,100
1980	109,000	368.00	40,137	3,500	76,800	28,700
1981	44,900	695.00	31,222	2,000	37,900	5,000
1982	146,500	501.00	73,459	4,600	98,000	43,400
1983	61,000	519.00	31,641	4,100	48,000	8,500
1984	90,600	550.00	49,810	2,900	76,700	10,600
1985	96,000	559.00	53,634	5,800	76,100	13,600
1986	111,500	587.00	65,407	6,000	85,000	20,000
1987	67,500	608.00	41,053	3,000	55,000	9,000
1988	87,500	517.00	45,229	3,000	70,000	14,000
1989 ¹	123,000	510.00	62,725	5,500	94,000	23,000

¹ Preliminary.

National Agricultural Statistics Service.

Table 300.—Olives and olive oil: Foreign trade, United States, 1975-88

Year beginning July	Imports				Year beginning July	Imports			
	Olives		Olive oil			Olives		Olive oil	
	In brine	Dried	Edible	Inedible		In brine	Dried	Edible	Inedible
	1,000 gallons	1,000 pounds	1,000 pounds	1,000 pounds		1,000 gallons	1,000 pounds	1,000 pounds	1,000 pounds
1975.....	15,323	643	59,232	129	1982 ¹	17,568	1,312	(²)	(²)
1976 ¹	15,481	1,465	56,288	189	1983 ¹ ³	56,611	513	(²)	(²)
1977 ¹	17,809	1,063	59,456	142	1984 ¹ ³	59,259	535	(²)	(²)
1978 ¹	13,293	1,190	61,977	143	1985 ¹ ³	63,592	662	(²)	(²)
1979 ¹	14,507	1,294	(²)	(²)	1986 ¹ ³	75,167	701	(²)	(²)
1980 ¹	15,322	1,490	(²)	(²)	1987 ¹ ³	72,160	696		
1981 ¹	16,913	1,437	(²)	(²)	1988 ¹ ³	61,748	413		

¹ Year beginning October. ² Not available. ³ Beginning 1983, olives in metric tons.

Economic Research Service.

Table 301.—Peaches: Production and value, United States, 1975-89

Year	Total production	Utilized production	Market- ing year average price ¹	Value	Year	Total production	Utilized production	Market- ing year average price ¹	Value
	Million pounds	Million pounds	Cents per pound	1,000 dollars		Million pounds	Million pounds	Cents per pound	1,000 dollars
1975	2,835.6	2,645.6	10.4	274,958	1982	2,285.6	2,101.9	14.0	293,300
1976	3,018.3	2,641.7	9.6	253,613	1983	1,855.3	1,753.8	14.4	252,969
1977	2,955.4	2,825.7	9.8	277,789	1984	2,660.3	2,468.9	12.6	311,177
1978	2,652.7	2,515.7	12.0	301,143	1985	2,148.1	2,047.2	14.4	293,784
1979	2,938.7	2,834.2	11.6	329,536	1986	2,306.6	2,218.1	14.0	310,805
1980	3,068.6	2,954.1	12.4	367,170	1987	2,381.5	2,238.9	13.8	308,970
1981	2,770.6	2,639.8	13.3	351,610	1988 ²	2,614.0	2,448.5	15.6	382,127
					1989 ²	2,333.3	2,210.4	16.3	360,377

¹ Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. ² Preliminary.

National Agricultural Statistics Service.

Table 302.—Peaches: Foreign trade, United States, 1975-88

Year beginning July	Domestic exports					
	Fresh	Dried ¹	Canned	Canned, in fruit salad ²	Dried, in fruit salad ¹ ³	Total, in terms of fresh ⁴
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1975	28,454	204	43,827	14,542	387	90,106
1976 ⁵	27,620	517	53,565	16,527	340	102,473
1977 ⁵	29,511	(⁶)	82,253	17,254	390	131,185
1978 ⁵	30,017	(⁶)	55,590	17,039	294	104,279
1979 ⁵	28,045	(⁶)	59,167	21,863	503	111,869
1980 ⁵	35,751	(⁶)	59,340	21,826	565	120,056
1981 ⁵	30,840	(⁶)	36,216	16,653	415	86,015
1982 ⁵	25,481	(⁶)	33,170	13,813	359	74,458
1983 ⁵	23,218	(⁶)	12,256	8,407	464	46,459
1984 ⁵	20,939	(⁶)	11,665	7,558	414	42,462
1985 ⁵	25,288	(⁶)	15,457	7,210	460	50,511
1986 ⁵	26,274	(⁶)	14,483	7,894	388	50,807
1987 ⁵	38,906	(⁶)	19,831	9,475	287	69,806
1988 ⁵	44,727	(⁶)	17,689	8,428	624	74,311

¹ Net processed weight. ² Canned peaches are 40 percent of total canned fruit for salad. ³ Dried peaches are 21 percent of total dried fruit for salad. ⁴ Dried fruit converted to unprocessed dry weight by dividing by 1.08. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 6.0 pounds fresh. Canned peaches converted to terms of fresh on basis that 1 pound canned equals about 1 pound fresh. ⁵ Year beginning October. ⁶ Not available.

Economic Research Service.

Table 303.—Peaches: Production and season average price per pound, 1987-89

State	Total production			Utilized production			Price ² for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Cents	Cents	Cents
AL.....	13.0	24.0	15.0	13.0	22.0	14.0	23.6	20.2	24.6
AR.....	1.4	20.0	2.5	1.4	20.0	2.5	28.1	15.0	24.1
CA:									
Freestone.....	511.0	523.0	524.0	511.0	523.0	524.0	13.4	15.2	15.2
CO.....	19.0	16.0	(*)	17.0	15.5	(*)	22.4	26.9	(*)
CT.....	3.0	3.0	3.3	2.8	2.9	3.2	52.0	55.0	50.0
DE.....	.9	3.1	.4	.9	3.1	.4	18.9	21.3	33.8
GA.....	100.0	140.0	125.0	98.0	132.0	115.0	18.1	20.1	20.2
ID.....	11.3	11.8	7.2	10.0	11.2	7.1	16.7	26.0	37.9
IL.....	20.0	20.0	13.0	19.0	19.5	12.5	27.5	24.0	27.0
IN.....	4.2	3.0	4.0	4.2	3.0	4.0	28.9	30.9	32.2
KS.....	2.5	4.5	2.5	2.4	3.7	2.2	30.0	37.0	27.0
KY.....	9.0	6.0	2.0	8.9	5.5	2.0	24.5	28.0	37.6
LA.....	.8	6.0	1.4	.7	5.1	1.0	46.0	32.0	36.0
MD.....	11.0	12.8	7.6	9.0	9.8	7.6	15.4	18.9	28.0
MA.....	2.0	2.2	2.1	2.0	2.1	2.1	52.0	55.0	50.0
MT.....	60.0	45.0	55.0	59.0	45.0	55.0	16.1	17.8	19.1
MS.....	.5	4.0	1.0	.5	3.5	1.0	31.0	26.5	40.0
MO.....	10.0	11.0	4.5	10.0	11.0	4.5	18.7	22.5	27.0
NJ.....	80.0	85.0	70.0	76.0	80.0	65.0	22.7	24.4	34.6
NY.....	14.3	14.1	12.5	13.8	13.7	12.3	21.5	27.2	29.4
NC.....	25.0	36.0	12.0	23.0	30.0	12.0	16.8	16.7	18.5
OH.....	9.0	6.0	8.0	9.0	6.0	8.0	28.0	31.0	34.0
OK.....	4.0	26.0	25.0	4.0	26.0	24.3	36.8	26.4	27.5
OR.....	15.0	14.0	14.0	14.0	13.0	12.5	27.5	28.1	24.7
PA.....	75.0	80.0	65.0	75.0	75.0	65.0	17.5	19.6	25.8
SC.....	350.0	340.0	270.0	300.0	290.0	235.0	14.9	18.5	20.0
TN.....	2.6	11.0	1.3	2.5	9.0	1.2	34.6	29.7	36.9
TX.....	6.0	18.0	14.0	4.8	16.1	12.5	38.0	35.7	40.0
UT.....	12.0	12.5	11.0	11.0	11.8	10.5	16.0	19.0	21.5
VA.....	27.0	29.0	15.0	24.0	27.0	14.0	17.1	14.7	21.3
WA.....	43.0	50.0	44.0	43.0	50.0	44.0	16.5	19.3	25.5
WV.....	19.0	20.0	9.0	19.0	20.0	9.0	13.3	16.9	25.6
Total above.....	1,461.5	1,597.0	1,341.3	1,388.9	1,505.5	1,283.4	16.4	18.9	20.4
CA:									
Clingstone ³	920.0	1,017.0	992.0	850.0	943.0	927.0	9.5	10.4	10.6
US.....	2,381.5	2,614.0	2,333.3	2,238.9	2,448.5	2,210.4	13.8	15.6	16.3

¹ Preliminary. ² Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. ³ Mainly for canning. Total production includes harvested not sold and unharvested production as follows (million pounds): 70.0 in 1987, 74.0 in 1988, and 65.0 in 1989. ⁴ No significant commercial production due to frost.

National Agricultural Statistics Service.

Table 304.—Peaches and nectarines, fresh: Production in specified countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Africa:			
Canada.....	44.9	44.1	39.5	South Africa.....	148.9	145.7	139.2
United States.....	1,253.5	1,367.1	1,239.8	Total.....	148.9	145.7	139.2
Mexico.....	230.0	264.5	265.0				
Total.....	1,528.4	1,675.7	1,544.3	Asia:			
South America:				Japan.....	212.3	202.9	204.7
Argentina.....	181.1	260.0	249.5	Total.....	212.3	202.9	204.7
Chile.....	147.0	151.4	162.4				
Total.....	328.1	411.4	411.9	Oceania:			
Europe:				Australia.....	73.0	75.0	65.0
France.....	487.9	457.0	548.8	New Zealand.....	28.0	28.5	28.0
Greece.....	546.8	590.4	600.0	Total.....	101.0	103.5	93.0
Italy.....	1,542.0	1,476.1	1,550.0				
Spain.....	604.0	654.9	777.0	Total specified countries.....	5,577.3	5,789.6	5,948.9
Yugoslavia.....	77.9	72.0	80.0				
Total.....	3,258.6	3,250.4	3,555.8				

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 305.—Peaches: Production and utilization, United States, 1975-89

Crop of—	Total production ¹	Utilized production	Utilization of quantities sold				
			Fresh ²	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ³
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	2,835.6	2,645.6	1,099.6	1,432.0	38.0	52.7	23.3
1976.....	3,018.3	2,641.7	1,151.2	1,326.3	30.0	109.8	24.4
1977.....	2,955.4	2,825.7	1,144.0	1,504.7	42.0	109.8	25.2
1978.....	2,652.7	2,515.7	1,185.8	1,230.8	35.0	69.8	44.3
1979.....	2,938.7	2,834.2	1,250.5	1,427.6	33.0	93.5	29.6
1980.....	3,068.6	2,954.1	1,324.1	1,498.3	34.0	77.1	20.6
1981.....	2,770.6	2,639.8	1,331.0	1,173.7	34.8	78.3	22.0
1982.....	2,285.6	2,101.9	976.9	983.9	45.0	70.5	25.6
1983.....	1,855.3	1,753.8	967.1	675.4	36.0	64.3	11.0
1984.....	2,660.3	2,468.9	1,287.8	1,028.6	28.0	89.0	35.5
1985.....	2,148.1	2,047.2	925.6	982.6	32.5	93.3	13.2
1986.....	2,306.6	2,218.1	1,091.0	926.9	32.5	136.3	31.4
1987.....	2,381.5	2,238.9	1,113.5	877.1	35.0	145.1	68.2
1988.....	2,614.0	2,448.5	1,223.3	986.0	41.2	131.9	66.1
1989 ⁴	2,333.3	2,210.4	1,037.1	924.4	28.6	143.4	76.9

¹ Includes harvested not sold and unharvested production for California Clingstone peaches (tons): 1975—81,000; 1976—77,000; 1977—57,500; 1978—60,000; 1979—45,000; 1980—56,500; 1981—48,000; 1982—79,500; 1983, 1984, 1985, 1986, 1987, 1988, 1989—None. ² Includes "Home use." ³ Used for jams, preserves, brandy, etc. Includes small quantities frozen for some years. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 306.—Peaches: Production and utilization, by States, crop of 1989 (preliminary)

State	Total production	Utilized production	Utilization				
			Fresh ¹	Processed (fresh basis)			
				Canned	Dried	Frozen	Other ²
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
CA, all ³	1,516.0	1,451.0	324.0	898.4	28.6	127.0	.....
Clingstone ³	992.0	927.0	.....	854.0	.....	(*)	(*)
Freestone.....	524.0	524.0	324.0	44.4	28.6	127.0	.....
GA.....	125.0	115.0	(*)	.....	.....	.....	.....
NJ.....	70.0	65.0	(*)	.....	.....	.....	.....
PA.....	65.0	65.0	61.8	(*)	(*)	(*)	(*)
SC.....	270.0	235.0	213.0	(*)	(*)	(*)	(*)
WA.....	44.0	44.0	(*)	.....	.....	.....	.....
Other States ³	243.3	235.4	438.3	26.0	.....	16.4	76.9
US.....	2,333.3	2,210.4	1,037.1	924.4	28.6	143.4	76.9

¹ Includes "Home use." ² Used for jams, preserves, brandy, etc. ³ Difference between total and utilized production is harvested not sold and unharvested production. ⁴ Data not published to avoid disclosure of individual operations, but included in "Other States" and U.S. totals. ⁵ Alabama, Arkansas, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New York, North Carolina, Ohio, Oklahoma, Oregon, Tennessee, Texas, Utah, Virginia, and West Virginia.

National Agricultural Statistics Service.

Table 307.—Peaches, canned: United States exports by country of destination, 1987/88–1989/90

Country of destination	Year beginning June			Country of destination	Year beginning June		
	1987/88	1988/89	1989/90		1987/88	1988/89	1989/90
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Bermuda and Caribbean:			
Austria.....	0	0	0	Bahamas.....	20	58	57
Belgium and Luxembourg..	0	1	0	Bermuda.....	78	28	68
Denmark.....	0	13	2	Dominican Republic.....	35	7	15
Finland.....	85	103	92	Netherlands Antilles.....	17	50	2
Germany, Fed. Rep. of.....	7	26	2	Trinidad and Tobago.....	38	0	0
Greece.....	71	36	35	Other countries.....	3	3	12
Netherlands.....	175	118	120	Total.....	191	146	154
Norway.....	251	99	67				
Sweden.....	159	148	26	Other countries:			
Switzerland.....	52	47	0	Canada.....	2,427	2,313	1,755
United Kingdom.....	70	71	101	Hong Kong.....	156	444	489
Other countries.....	88	0	0	Taiwan.....	1,443	2,866	3,158
Total.....	878	662	445	Japan.....	8,690	9,899	9,013
				Kuwait.....	176	74	108
Latin America:				Saudi Arabia.....	274	194	273
Colombia.....	2	26	19	Singapore.....	428	623	499
Panama.....	643	422	407	Other countries.....	611	670	679
Other countries.....	73	283	541	Total.....	14,205	17,083	15,970
Total.....	718	731	967	Grand total.....	15,992	18,622	17,526

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 308.—Pears: Production and value, United States 1975–89

Year	Total production	Utilized production	Marketing year average price ¹	Value	Year	Total production	Utilized production	Marketing year average price ¹	Value
	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>		<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
1975.....	748,000	741,800	143.00	105,765	1983.....	773,550	773,350	170.00	131,232
1976.....	839,100	819,100	124.00	101,890	1984.....	708,250	695,950	229.00	159,329
1977.....	781,600	779,500	146.00	113,520	1985.....	774,550	744,400	269.00	200,431
1978.....	723,250	723,250	219.00	158,724	1986.....	767,150	761,150	267.00	203,113
1979.....	854,700	854,200	204.00	174,295	1987.....	938,450	936,100	198.00	185,377
1980.....	897,350	896,350	196.00	175,832	1988.....	860,850	860,400	274.00	235,423
1981.....	897,000	893,950	187.00	167,321	1989 ²	917,000	916,700	275.00	251,824
1982.....	801,950	800,730	183.00	146,629					

¹ Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.² Preliminary.

National Agricultural Statistics Service.

Table 309.—Pears: Production and season average price per ton, by States, 1987-89

Variety and State	Total production			Utilized production			Price ² for crop—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
CA, all	337,000	302,000	315,000	337,000	302,000	315,000	192.00	247.00	271.00
Bartlett	325,000	291,000	298,000	325,000	291,000	298,000	176.00	238.00	265.00
Other	12,000	11,000	17,000	12,000	11,000	17,000	645.00	477.00	365.00
CO	8,000	3,800	4,000	6,400	3,700	4,000	199.00	251.00	337.00
CT	1,450	1,650	1,400	1,450	1,600	1,400	500.00	520.00	520.00
MI	5,000	6,000	8,000	5,000	6,000	8,000	217.00	241.00	256.00
NY	15,000	17,300	16,500	14,500	17,300	16,300	259.00	235.00	223.00
OR, all	228,000	213,000	215,000	228,000	213,000	215,000	192.00	285.00	245.00
Bartlett	78,000	68,000	67,000	78,000	68,000	67,000	183.00	253.00	263.00
Other	150,000	145,000	148,000	150,000	145,000	148,000	197.00	300.00	237.00
PA	5,400	5,100	5,500	5,250	4,800	5,400	282.00	345.00	394.00
UT	2,600	2,000	2,600	2,500	2,000	2,600	272.00	384.00	340.00
WA, all	336,000	310,000	349,000	336,000	310,000	349,000	202.00	292.00	295.00
Bartlett	171,000	147,000	157,000	171,000	147,000	157,000	189.00	244.00	258.00
Other	165,000	163,000	192,000	165,000	163,000	192,000	215.00	335.00	327.00
US	938,450	860,850	917,000	936,100	860,400	916,700	198.00	274.00	275.00

¹ Preliminary. ² Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 310.—Pears, fresh (dessert and cooking): Production in specified countries, 1987/88-1989/90 ¹

Continent and country	1987/88	1988/89	1989/90 ²	Continent and country	1987/88	1988/89	1989/90 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons		1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:				Other Europe—Con.			
Canada ³	28	23	23	Sweden	9	11	11
Mexico	55	50	45	Switzerland	66	169	81
United States ³	851	781	832	Turkey	370	380	370
Total	934	854	900	Yugoslavia	147	173	180
South America:				Total	633	794	690
Argentina	211	240	230	Total Europe	3,178	3,379	2,967
Chile	95	119	139	Africa:			
Total	306	359	369	South Africa	198	181	195
European Community:				Total	198	181	195
Belgium and Luxembourg ...	91	84	87	Asia:			
Denmark	4	6	6	Japan	477	454	472
France	440	344	331	Total	477	454	472
Germany, Fed. Rep. of	294	498	347	Oceania:			
Greece	91	91	99	Australia	163	140	136
Italy	901	987	720	New Zealand	16	13	13
Netherlands	140	84	113	Total	179	153	149
Spain	521	459	531	Total specified countries	5,272	5,380	5,052
United Kingdom	63	32	43				
Total EC	2,545	2,585	2,277				
Other Europe:							
Austria	36	54	46				
Norway	5	7	2				

¹ May include some cider varieties in countries not reporting separately. ² Preliminary. ³ Commercial crop.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 311.—Pears: Foreign trade, United States, 1975-88

Year beginning July	Imports for consumption, fresh	Domestic exports					
		Fresh ¹	Canned	Dried ¹	Dried, in fruit salad ^{1 2}	Canned, in fruit salad ³	Total, in terms of fresh fruit ⁴
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975	7,079	33,914	3,567	259	307	12,724	53,777
1976 ⁵	4,298	27,489	3,348	285	270	14,461	48,800
1977 ⁵	5,775	35,744	4,320	(⁶)	310	15,097	57,117
1978 ⁵	6,828	39,085	3,009	(⁶)	234	14,908	58,479
1979 ⁵	8,054	39,370	2,625	(⁶)	399	19,130	63,643
1980 ⁵	9,425	49,246	3,003	(⁶)	448	19,098	74,174
1981 ⁵	9,327	49,512	2,689	(⁶)	329	14,572	68,849
1982 ⁵	9,896	34,698	2,026	(⁶)	285	12,086	50,611
1983 ⁵	13,188	35,066	1,108	(⁶)	368	7,356	45,851
1984 ⁵	18,604	25,914	1,075	(⁶)	329	6,614	35,679
1985 ⁵	25,663	30,516	1,024	(⁶)	365	6,308	40,151
1986 ⁵	31,733	36,932	1,003	(⁶)	308	6,907	46,786
1987 ⁵	32,499	44,882	1,140	(⁶)	228	8,291	55,752
1988 ⁵	39,948	64,653	1,192	(⁶)	495	9,060	78,029

¹ Net processed weight. ² Dried pears are 16% percent of total dried fruit for salad. ³ Canned pears are 35 percent of total canned fruit for salad. ⁴ Dried converted to unprocessed dry weight by dividing by 1.03. Unprocessed dry weight converted to terms of fresh on the basis that 1 pound dried equals about 6.5 pounds fresh. Canned converted to terms of fresh on basis that 1 pound of canned equals about 1 pound fresh. ⁵ Year beginning October. ⁶ Not available.

Economic Research Service.

Table 312.—Pears: Production and utilization, United States, 1975-89

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh ¹	Processed (fresh basis)	
				Canned ²	Dried
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1975	748,000	741,800	326,780	(³)	(³)
1976	839,100	819,100	339,230	(³)	(³)
1977	781,600	779,500	298,200	(³)	(³)
1978	723,250	723,250	297,070	(³)	(³)
1979	854,700	854,200	300,100	(³)	(³)
1980	897,350	896,350	345,060	(³)	(³)
1981	897,000	893,950	377,950	(³)	(³)
1982	801,950	800,730	366,130	(³)	(³)
1983	773,550	773,350	382,790	(³)	(³)
1984	708,250	695,950	322,750	(³)	(³)
1985	744,550	744,400	347,100	(³)	(³)
1986	767,150	761,150	376,220	(³)	(³)
1987	938,450	936,100	454,850	(³)	(³)
1988	860,850	860,400	427,140	(³)	(³)
1989 ⁴	917,000	916,700	454,470	(³)	(³)

¹ Includes "Home use." ² For some States includes some dried or otherwise processed. ³ Not published to avoid disclosure of individual operation. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 313.—Pears: Production and utilization, by States, crop of 1989 (preliminary)

State and variety	Total production	Utilized production	Utilization	
			Fresh ¹	Processed ²
	Tons	Tons	Tons	Tons
CA, all	315,000	315,000	(³)	(³)
Bartlett.....	298,000	298,000	64,000	234,000
Other	17,000	17,000	(³)	(³)
CO	4,000	4,000	(³)	(³)
CT	1,400	1,400	1,400	(³)
MI	8,000	8,000	(³)	(³)
NY	16,500	16,300	(³)	(³)
OR, all	215,000	215,000	(³)	(³)
Bartlett.....	67,000	67,000	20,500	46,500
Other	148,000	148,000	(³)	(³)
PA	5,500	5,400	(³)	(³)
UT	2,600	2,600	2,600	(³)
WA, all	349,000	349,000	(³)	(³)
Bartlett.....	157,000	157,000	41,000	116,000
Other	192,000	192,000	(³)	(³)
US.....	917,000	916,700	454,470	462,230

¹ Includes "Home use." ² Mostly canned, but includes small quantities dried, juiced, and other uses. ³ Data not published to avoid disclosure of individual operations, but included in U.S. totals.
National Agricultural Statistics Service.

Table 314.—Papayas: Area, yield, production, utilization, marketing year average price, and value, Hawaii, 1975–89

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	1,000 pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars
1975.....	1,840	39,896	34,952	4,944	14.2	5,668
1976.....	1,930	50,037	43,588	6,449	12.3	6,134
1977.....	2,155	63,548	53,987	9,561	11.9	7,565
1978.....	2,190	64,000	54,624	9,376	13.0	8,304
1979.....	2,210	41,015	36,446	4,569	23.2	9,513
1980.....	1,950	48,916	45,360	3,556	20.4	9,964
1981.....	2,110	66,390	58,170	8,220	18.7	12,412
1982.....	2,170	52,750	44,770	7,980	21.8	11,484
1983.....	2,120	61,400	46,300	15,100	18.9	11,591
1984.....	2,590	80,500	67,000	13,500	11.4	9,196
1985.....	2,650	60,400	49,250	11,150	14.2	8,579
1986.....	2,355	61,000	50,100	10,900	13.2	11,123
1987.....	2,350	67,000	56,000	11,000	16.5	11,050
1988.....	2,300	69,000	57,000	12,000	17.9	12,354
1989 ¹	2,500	74,000	64,000	10,000	19.4	14,380

¹ Preliminary.

National Agricultural Statistics Service.

Table 315.—Pomegranates: Production, marketing year average price, and value, California, 1975–89

Year	Total production	Utilized production	Price per ton	Value	Year	Total production	Utilized production	Price per ton	Value
	Tons	Tons	Dollars	1,000 dollars		Tons	Tons	Dollars	1,000 dollars
1975.....	8,600	8,600	143.00	1,230	1983.....	20,000	18,900	272.00	5,147
1976.....	9,000	9,000	210.00	1,890	1984.....	20,000	19,000	106.00	2,010
1977.....	10,000	10,000	143.00	1,430	1985.....	19,400	17,400	318.00	5,529
1978.....	9,500	9,500	233.00	2,214	1986.....	22,000	19,400	395.00	7,666
1979.....	13,000	11,000	324.00	3,564	1987.....	18,500	16,500	340.00	5,617
1980.....	17,000	16,000	259.00	4,144	1988.....	20,000	18,000	359.00	6,454
1981.....	16,500	14,800	278.00	4,114	1989 ¹	19,000	18,000	273.00	4,906
1982.....	16,000	14,400	263.00	3,787					

¹ Preliminary.

National Agricultural Statistics Service.

Table 316.—Plums; California: Production, value, and utilization, 1975-89

Season	Total production	Utilized production	Marketing year average price per ton ¹	Value	Utilization of quantities sold	
					Fresh ²	Processed
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons
1975.....	124,000	124,000	279.00	34,596	121,360	2,640
1976.....	115,000	115,000	380.00	43,700	111,900	3,100
1977.....	157,000	157,000	313.00	49,141	156,000	1,000
1978.....	154,000	154,000	370.00	56,980	151,000	3,000
1979.....	175,000	175,000	277.00	48,475	173,000	2,000
1980.....	160,000	160,000	449.00	71,810	157,400	2,600
1981.....	197,500	197,500	309.00	61,062	194,300	3,200
1982.....	118,000	118,000	620.00	73,139	116,600	1,400
1983.....	158,500	158,500	435.00	69,020	155,700	2,800
1984.....	225,000	225,000	212.00	47,796	221,000	4,000
1985.....	166,500	166,500	514.00	85,512	(³)	(³)
1986.....	152,000	152,000	657.00	99,857	(³)	(³)
1987.....	245,000	245,000	308.00	75,361	(³)	(³)
1988.....	216,000	216,000	475.00	102,661	(³)	(³)
1989 ⁴	213,000	213,000	445.00	94,796	(³)	(³)

¹ Fresh fruit prices are equivalent returns at point of first sale. Processing fruit prices are equivalent returns at processing plant door. ² Includes "Home use." ³ Missing data not published to avoid disclosure of individual operations, but included in total. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 317.—Prunes and plums: ¹ Production, value, and utilization, 4 States, 1975-89

Year	Total production	Utilized production	Marketing year average price per ton	Value	Utilization of quantities sold			
					Fresh ²	Processed (fresh basis)		
						Dried and other	Canned	Frozen
	Tons	Tons	Dollars	1,000 dollars	Tons	Tons	Tons	Tons
1975.....	75,600	71,600	113.00	8,097	34,550	11,000	23,500	2,550
1976.....	77,000	73,500	123.00	9,046	38,150	12,850	29,900	1,600
1977.....	61,000	58,000	158.00	9,175	30,700	11,800	14,200	1,300
1978.....	69,800	69,200	156.00	10,797	40,950	9,050	16,100	3,100
1979.....	59,200	59,200	209.00	12,382	34,100	11,400	11,800	1,900
1980.....	76,600	76,600	179.00	13,741	40,500	6,400	18,500	2,200
1981.....	65,100	62,600	156.00	9,754	32,900	11,300	16,900	1,500
1982.....	51,500	47,500	264.00	12,552	26,550	11,300	8,250	1,400
1983.....	51,200	49,200	199.00	9,783	30,000	8,670	9,430	1,100
1984.....	52,000	51,000	208.00	10,632	28,200	10,800	11,400	600
1985.....	51,700	48,100	230.00	11,047	21,700	10,700	14,400	1,300
1986.....	48,100	44,100	260.00	11,448	20,400	9,200	13,200	1,300
1987.....	49,500	45,200	139.00	6,273	21,600	10,500	11,900	1,200
1988.....	52,000	48,100	183.00	8,805	24,000	9,400	13,400	1,300
1989 ³	44,000	41,850	209.00	8,754	22,750	4,950	12,950	1,200

¹ Idaho, Michigan, Oregon, and Washington. Mostly prunes; however, estimates include small quantities of plums in all States. ² Includes "Home use." ³ Preliminary.

National Agricultural Statistics Service.

Table 318.—Prunes and plums (fresh basis): Production and season average price per ton, by States, 1987-89

State	Total production			Utilized production			Price ² for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Tons	Tons	Tons	Tons	Tons	Tons	Dollars	Dollars	Dollars
ID.....	6,200	6,500	6,500	5,900	5,600	6,350	134.00	283.00	422.00
MI.....	14,000	11,000	13,000	12,000	11,000	13,000	135.00	198.00	175.00
OR.....	17,000	21,000	11,000	15,000	18,000	9,000	147.00	140.00	179.00
WA.....	12,300	13,500	13,500	12,300	13,500	13,500	134.00	187.00	162.00
Total, 4 States.....	49,500	52,000	44,000	45,200	48,100	41,850	139.00	183.00	209.00

¹ Preliminary. ² Fresh fruit prices are equivalent packinghouse-door returns for Oregon and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

National Agricultural Statistics Service.

Table 319.—Prunes (dried basis), California: Production, price and value, 1975-89 ¹

Season	Production ²	Marketing year average price per ton ³	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	149,000	402.00	59,898
1976.....	148,000	412.00	60,976
1977.....	159,000	499.00	79,341
1978.....	132,000	696.00	91,872
1979.....	136,000	812.00	110,432
1980.....	168,000	683.00	114,744
1981.....	159,500	654.00	104,313
1982.....	126,000	679.00	85,554
1983.....	145,000	667.00	96,715
1984.....	148,000	693.00	102,564
1985.....	141,000	680.00	95,880
1986.....	99,000	819.00	81,081
1987.....	229,000	734.00	168,086
1988.....	151,000	782.00	118,082
1989 ⁴	226,000	775.00	175,150

¹ The drying ratio is approximately 3 pounds of fresh fruit to 1 pound of dried fruit. ² Production all utilized.³ Equivalent returns at the processing plant door. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 320.—Prunes and plums: ¹ Utilization and marketing year average price per ton, 1984-89

State and season	Quantity				Price ⁴			
	Fresh ²	Dried and other ³	Canned	Frozen	Fresh	Dried and other	Canned	Frozen
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
ID:								
1984.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1985.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1986.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1987.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1988.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1989.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
MI:								
1984.....	5,500	(⁵)	5,700	(⁵)	363.00	(⁵)	203.00	(⁵)
1985.....	4,400	(⁵)	6,100	(⁵)	385.00	(⁵)	238.00	(⁵)
1986.....	5,500	(⁵)	5,000	(⁵)	370.00	(⁵)	115.00	(⁵)
1987.....	5,500	(⁵)	6,000	(⁵)	197.00	(⁵)	83.00	(⁵)
1988.....	5,000	(⁵)	(⁵)	(⁵)	269.00	(⁵)	(⁵)	(⁵)
1989.....	5,500	(⁵)	6,750	(⁵)	255.00	(⁵)	117.00	(⁵)
OR:								
1984.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1985.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1986.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1987.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1988.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
1989.....	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)	(⁵)
WA:								
1984.....	11,400	(⁵)	(⁵)	(⁵)	189.00	(⁵)	(⁵)	(⁵)
1985.....	7,200	(⁵)	(⁵)	(⁵)	284.00	(⁵)	(⁵)	(⁵)
1986.....	7,400	(⁵)	(⁵)	(⁵)	437.00	(⁵)	(⁵)	(⁵)
1987.....	7,600	(⁵)	(⁵)	(⁵)	164.00	(⁵)	(⁵)	(⁵)
1988.....	10,500	(⁵)	1,200	(⁵)	228.00	(⁵)	80.00	(⁵)
1989.....	9,700	(⁵)	(⁵)	(⁵)	198.00	(⁵)	(⁵)	(⁵)
Total 4 States:								
1984.....	28,200	10,800	11,400	600	266.00	70.20	196.00	225.00
1985.....	21,700	10,700	14,400	1,300	329.00	113.00	175.00	140.00
1986.....	20,400	9,200	13,200	1,300	432.00	117.00	107.00	111.00
1987.....	21,600	10,500	11,900	1,200	173.00	106.00	107.00	135.00
1988.....	24,000	9,400	13,400	1,300	249.00	118.00	116.00	128.00
1989.....	22,750	4,950	12,950	1,200	289.00	104.00	117.00	133.00

¹ Michigan, Idaho, Washington, and Oregon. Mostly prunes; however, estimates include small quantities of plums in all States. ² Includes "Home use." ³ Some quantities otherwise processed are included to avoid disclosure of individual operations. ⁴ Prices for fresh sales are average prices as sold for Idaho and Michigan; equivalent packinghouse door returns for Oregon and Washington. Quantities processed are priced at the equivalent processing plant door level. ⁵ Not published to avoid disclosure of individual operations, but is included in total.

National Agricultural Statistics Service.

Table 321.—Prunes, dried: United States exports by country of destination, 1986/87-1988/89

Country of destination	Year beginning September			Country of destination	Year beginning September		
	1986/87	1987/88	1988/89		1986/87	1987/88	1988/89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Bermuda and Caribbean:			
Austria.....	380	229	446	Bermuda.....	3	9	3
Belgium and Luxembourg.....	524	631	582	Dominican Republic.....	51	89	98
Denmark.....	2,073	2,411	2,351	Haiti.....	90	51	47
Finland.....	2,227	2,208	2,368	Trinidad and Tobago.....	113	223	30
France.....	915	891	2,296	Other countries.....	17	36	91
Germany, Fed. Rep. of.....	7,538	9,421	8,359	Total.....	274	410	268
Iceland.....	22	9	29				
Ireland.....	37	51	50				
Italy.....	6,691	8,129	8,974	Other countries:			
Netherlands.....	2,332	1,404	1,025	Australia.....	522	473	495
Norway.....	1,472	1,537	1,574	Canada.....	3,055	3,353	3,905
Spain.....	2,430	1,678	2,159	Hong Kong.....	506	838	493
Sweden.....	2,968	3,451	2,242	Israel.....	1,200	1,370	771
Switzerland.....	544	672	735	Japan.....	9,221	10,103	9,727
United Kingdom.....	3,115	3,354	2,812	Malaysia.....	207	422	407
Other countries.....	303	247	884	New Zealand.....	285	365	463
Total.....	33,571	36,323	36,886	Singapore.....	563	660	647
				Taiwan.....	617	1,587	1,141
Latin America:				Other countries.....	333	571	623
Brazil.....	6	8	6	Total.....	16,509	19,742	18,672
Colombia.....	2	4	65				
Costa Rica.....	4	5	5	Grand total.....	52,258	59,163	57,943
Guatemala.....	7	29	14				
Mexico.....	1,403	1,730	1,632				
Panama.....	180	153	119				
Venezuela.....	295	740	259				
Other countries.....	7	20	17				
Total.....	1,904	2,689	2,117				

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 322.—Prunes: Foreign trade, United States, 1975-88

Year beginning July	Imports				Domestic exports			
	Fresh prunes and plums	Other-wise prepared or preserved	Dried prunes ¹	Total, in terms of fresh ²	Fresh prunes and plums	Dried prunes ¹	Dried, in fruit salad ^{1 3}	Total, in terms of fresh ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	1,379	946	270	2,930	19,865	63,715	792	187,335
1976 ⁴	819	885	498	2,908	21,482	47,910	696	147,671
1977 ⁴	1,479	771	263	2,855	23,400	52,648	799	162,157
1978 ⁴	1,390	806	359	3,047	20,175	43,260	603	134,050
1979 ⁴	835	803	267	2,251	21,236	43,983	1,030	138,097
1980 ⁴	1,526	760	58	2,360	25,813	56,440	1,156	175,341
1981 ⁴	1,657	784	86	2,586	21,562	59,061	849	177,098
1982 ⁴	3,801	843	459	5,750	19,607	49,573	735	150,214
1983 ⁴	6,060	1,106	636	8,705	25,897	52,731	949	165,259
1984 ⁴	13,516	1,291	647	16,357	20,850	46,006	848	142,490
1985 ⁴	15,170	859	1,369	19,496	23,680	50,832	942	158,093
1986 ⁴	17,937	871	1,354	22,235	33,312	52,648	795	172,058
1987 ⁴	16,943	457	444	18,507	39,862	59,299	588	195,338
1988 ⁴	21,879	365	717	24,068	57,585	58,031	1,278	211,560

¹ Net processed weight. ² Exports and imports of dried prunes converted to unprocessed dry weight by dividing by 1.04. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 2.7 pounds fresh. "Otherwise prepared or preserved" converted to terms of fresh fruit on the basis that 1 pound equals 0.899 pound fresh. ³ Dried prunes in salad estimated at 43 percent of total dried fruit for salad. ⁴ Year beginning October.

Economic Research Service.

Table 323.—Strawberries, commercial crop: Production and value per hundredweight, by States, 1987-89

Utilization, season, and State	Production			Value per unit		
	1987	1988	1989 ¹	1987	1988	1989 ¹
FOR FRESH MARKET ²	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
Winter:						
FL.....	1,103	1,250	1,378	60.80	59.10	66.90
Total	1,103	1,250	1,378	60.80	59.10	66.90
Spring:						
AR.....	11	12	9	48.00	44.00	56.00
CA.....	5,995	6,590	6,269	58.00	52.00	49.30
LA.....	43	53	40	50.00	56.00	58.00
MI.....	100	87	77	53.20	52.70	54.70
NJ.....	42	32	18	68.00	72.20	69.90
NY.....	160	120	134	56.90	73.10	87.50
NC.....	80	126	88	49.90	46.30	54.00
OH.....	73	73	55	61.00	69.00	80.00
OR.....	56	64	61	60.00	62.00	68.00
PA.....	72	82	85	82.60	99.50	101.00
WA.....	25	25	40	52.00	54.00	62.00
WI.....	44	41	61	57.00	64.00	66.00
Total	6,701	7,305	6,937	58.10	53.20	51.50
US	7,804	8,555	8,315	58.50	54.10	54.10
PROCESSING						
Spring:						
CA.....	2,230	2,050	2,089	26.70	23.00	21.60
MI.....	44	40	40	33.30	37.40	38.10
OR.....	880	950	590	32.00	28.90	34.70
WA.....	215	196	74	32.00	28.00	40.00
US	3,369	3,236	2,793	28.50	25.20	25.10

¹ Preliminary. ² Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.

National Agricultural Statistics Service.

Table 324.—Strawberries, commercial crop: Area, yield, production, value per unit, and total value, United States, 1975-89

Year	Fresh market and processing					Fresh market ³			Processing		
	Area for harvest	Yield per acre	Production ¹	Value ²		Production of value	Value ²		Production of value	Value ²	
				Per unit	Total		Per unit	Total		Per unit	Total
	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
1975.....	39,590	139	5,506	30.60	168,352	3,774	35.50	133,917	1,732	19.90	34,435
1976.....	34,450	169	5,807	32.90	191,022	3,695	37.70	139,268	2,112	24.50	51,754
1977.....	35,650	186	6,619	33.20	219,958	4,298	39.10	167,949	2,321	22.40	52,009
1978.....	37,600	175	6,592	31.70	209,257	4,779	36.70	175,155	1,813	18.80	34,102
1979.....	36,500	175	6,383	38.70	246,850	4,360	43.40	189,105	2,023	28.50	57,745
1980.....	36,050	195	7,017	41.20	288,776	4,821	47.90	231,115	2,196	26.30	57,661
1981.....	37,000	200	7,416	42.00	311,147	5,375	47.10	253,289	2,041	28.30	57,858
1982.....	40,250	219	8,830	48.10	424,592	5,896	55.20	325,338	2,934	33.80	99,254
1983.....	43,400	207	9,868	45.50	408,310	5,887	52.90	311,194	3,081	31.50	97,116
1984.....	43,300	229	9,937	41.70	414,422	7,510	49.00	367,672	2,427	19.30	46,750
1985.....	44,350	230	10,218	44.30	452,413	7,571	52.60	398,488	2,647	20.40	53,925
1986.....	44,750	229	10,232	49.50	506,089	7,387	57.60	425,346	2,845	28.40	80,743
1987.....	46,120	242	11,173	49.40	552,336	7,804	58.50	456,290	3,369	28.50	96,046
1988.....	47,150	250	11,791	46.20	544,279	8,555	54.10	462,690	3,236	23.20	81,589
1989 ⁴	45,600	244	11,108	46.80	519,739	8,315	54.10	449,660	2,793	25.10	70,079

¹ Excludes the following quantities not harvested and not marked because of economic conditions (1,000 hundredweight): 1 in 1977, 1 in 1978, 28 in 1979, 48 in 1980, 22 in 1981, 11 in 1982, 21 in 1983, 19 in 1984, 35 in 1985, 11 in 1986, 239 in 1987, and 9 in 1989. ² Fresh market price and value on f.o.b. basis. Processing price and value at processing plant door. ³ Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 325.—Strawberries, commercial crop: Area harvested, production, value per hundredweight, by States, 1987-89 ¹

Season and State	Area Harvested			Production			Value per unit		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
Winter:	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>	<i>Dollars per cwt.</i>
FL.....	4,900	5,000	5,300	1,103	1,250	1,378	60.80	59.10	66.90
Total.....	4,900	5,000	5,300	1,103	1,250	1,378	60.80	59.10	66.90
Spring:									
AR.....	220	250	250	11	12	9	48.00	44.00	56.00
CA.....	17,500	19,200	19,900	8,225	8,640	8,358	49.50	45.10	42.40
LA.....	600	700	650	43	53	40	50.00	56.00	58.00
MI.....	2,400	2,300	2,200	144	127	117	47.10	47.90	49.00
NJ.....	800	700	600	42	32	18	68.00	72.20	69.90
NY.....	2,800	2,500	2,400	160	120	134	56.90	73.10	87.50
NC.....	2,100	2,100	2,100	80	126	88	48.90	46.30	54.00
OH.....	1,400	1,300	1,200	73	73	55	61.00	69.00	80.00
OR.....	7,800	7,800	6,200	936	1,014	651	33.70	31.00	37.80
PA.....	1,900	1,900	1,800	72	82	85	82.60	99.50	101.00
WA.....	2,500	2,400	1,900	240	221	114	34.10	30.90	47.70
WI.....	1,200	1,000	1,100	44	41	61	57.00	64.00	66.00
Total.....	41,220	42,150	40,300	10,070	10,541	9,730	48.20	44.60	43.90
US.....	46,120	47,150	45,600	11,173	11,791	11,108	49.40	46.20	46.80

¹ Includes quantities used for fresh market and processing. ² Preliminary.
National Agricultural Statistics Service.

Table 326.—Fruits, noncitrus: Production, utilization, and value, United States, 1975-89 ¹

Year	Utilized production	Fresh ²	Processed						
			Canned	Dried	Juice	Frozen	Wine	Other	Value of utilized production
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 dollars</i>
1975.....	12,305	4,734	2,056	1,920	863	251	2,276	205	1,919,399
1976.....	11,769	4,564	1,942	1,661	818	254	2,322	208	2,081,819
1977.....	12,216	4,531	2,060	1,870	841	244	2,412	258	2,539,727
1978.....	12,460	4,166	2,549	1,365	1,140	257	2,672	311	3,034,322
1979.....	13,689	4,358	2,758	2,044	1,285	226	2,713	305	3,404,222
1980.....	15,152	5,010	2,747	2,408	1,418	251	2,996	322	3,491,419
1981.....	12,961	4,708	2,263	1,722	1,235	231	2,522	280	3,586,740
1982.....	14,216	5,127	2,036	2,155	1,255	227	3,227	188	3,445,555
1983.....	13,721	4,803	2,110	2,481	1,460	185	2,423	259	3,188,836
1984.....	13,806	4,972	2,259	2,060	1,336	245	2,695	239	3,281,650
1985.....	13,682	4,749	2,119	2,192	1,226	263	2,921	212	3,380,152
1986.....	13,365	4,896	2,211	1,668	1,135	286	2,909	260	3,699,956
1987.....	15,452	5,553	2,369	2,367	1,893	306	2,647	317	3,868,619
1988.....	15,295	5,664	2,284	2,546	1,274	296	2,983	248	4,545,757
1989 ³	15,745	5,634	2,381	2,853	1,437	342	2,853	244	4,638,852

¹ Includes the following crops: Apples, apricots, avocados, bananas, bushberries (through 1981), cherries, cranberries, dates, figs, grapes, kiwifruit (beginning 1980), nectarines, olives, papayas, peaches, pears, pineapples, pomegranates, and prunes and plums. Persimmons discontinued after 1977. ² Includes "Home Use," local and roadside sales. ³ Preliminary.

National Agricultural Statistics Service.

Table 327.—Fruits: Arrivals at 4 markets, by commodities, 1989 ¹

Commodity	Baltimore ²			Boston			New York ⁴			Philadelphia		
	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total	Rail, boat, and air	Motor-truck ³	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Citrus:												
Grapefruit.....	36	265	301	74	345	419	423	192	615	119	211	330
Lemons.....	35	112	147	58	62	120	203	106	309	89	118	207
Limes.....		29	29		52	52		81	81		17	17
Mixed citrus.....	54		54	14		14	210		210			71
Oranges.....	86	493	579	574	332	906	1,103	347	1,450	402	384	786
Tangelos.....	3	18	21		18	18		3	3		18	18
Tangerines.....	7	44	51	1	62	63	49	31	80	6	37	43
Templets.....		10	10		12	12		9	9		5	5
Citrus, other ⁵												
Total.....	221	971	1,192	721	883	1,604	1,988	769	2,757	687	790	1,477
Non-citrus:												
Apples.....	85	553	638	225	434	659	678	488	1,166	305	359	664
Apriots.....		4	4		4	4	1	16	17	1	4	5
Avocados.....		32	32		55	55		129	129		11	11
Bananas.....	43	1,176	1,219		1,037	1,037	5,297	271	5,568		416	416
Blueberries.....		13	13		29	29		18	18		4	4
Cherries.....		23	23	3	36	39	1	48	49			
Cranberries.....		3	3		6	6				5	34	39
Grapes, table.....	17	337	354	47	380	427	203	308	511	154	223	377
Grapes, juice.....	2	1	2	1	31	32	23		23	2		2
Kiwifruit.....		8	8		10	10		6	6		5	5
Mangoes.....		18	18		15	15	14	64	78		8	8
Mixed deciduous.....	22		22	13		13	71		71	20		20
Nectarines.....	6	82	88	35	90	125	58	85	143	50	89	139
Papaya.....		1	1				1	6	7			
Peaches.....	1	131	132	26	180	206	44	414	458	34	76	110
Pears.....	19	148	167	73	132	205	288	193	481	96	134	230
Persimmons.....		2	2		3	3		3	3		4	4
Pineapples.....	19	76	95	23	76	99	1	64	65	7	32	39
Plantains.....		9	9		22	22	3	49	52			
Plums-prunes.....	5	78	83	26	82	108	77	115	192	45	86	131
Pomegranates.....		5	5		3	3		6	6		3	3
Strawberries.....	10	146	156	10	217	227		184	184	2	199	201
Fruits, other ⁵		2	2	1	2	3					2	2
Total.....	229	2,848	3,077	483	2,844	3,327	6,760	2,467	9,227	721	1,689	2,410
Grand total.....	450	3,819	4,269	1,204	3,727	4,931	8,748	3,236	11,984	1,408	2,479	3,887

¹ Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981. ² Includes Washington. ³ Estimated percentages of completeness for reported truck arrivals for 1989 are as follows: Baltimore 93, Boston 92, New York 60, and Philadelphia 90. ⁴ Includes Newark.

⁵ Not otherwise specified.

Agricultural Marketing Service.

Table 328.—Fruits, fresh: Arrivals at 4 markets, by commodities, 1989 ¹

Commodity	Atlanta			Chicago			Los Angeles			San Francisco ³		
	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	Total	Rail, boat, and air	Motor truck ²	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Citrus:												
Grapefruit.....		139	139	58	376	434		362	362		369	369
Lemons.....		136	136	328	167	495		360	360		239	239
Limes.....		30	30		56	56		376	376		132	132
Mixed citrus.....				93	93	93						
Oranges.....		364	364	1,686	944	2,630	2	1,403	1,405		1,083	1,083
Tangelos.....		15	15		16	16		16	16		24	24
Tangerines.....		48	48	5	74	79		54	54		101	101
Temple.....		2	2		9	9						
Citrus, other ⁴				93	93	93						
Total.....		734	734	2,263	1,652	3,915	2	2,571	2,573		1,948	1,948
Noncitrus:												
Apples.....	31	351	382	266	930	1,196	9	3,415	3,424		1,479	1,479
Apricots.....				1	7	8	3	26	29		23	23
Avocados.....		31	31		71	71		253	253		299	299
Bananas.....		405	405		1,611	1,611	5,571		5,571		2,137	2,137
Blueberries.....		4	4		8	8		11	13		9	9
Cherries.....		4	4	1	33	34	5	137	142		76	76
Cranberries.....				1	1	1					5	5
Grapes, table.....		166	166	345	655	1,000	177	695	872		435	435
Grapes, juice.....				89	5	94						
Kiwifruit.....		6	6		8	8	1	24	25	2	13	15
Mangoes.....					33	33	1	208	209	5	145	150
Mixed deciduous.....				85		85						
Nectarines.....		18	18	93	151	244	52	185	237		140	140
Papaya.....							34	40	74			
Peaches.....		96	96	15	150	165	36	278	314		177	177
Pears.....		33	33	104	227	331	7	565	572		325	325
Persimmons.....					7	7		24	24		17	17
Pineapples.....		59	59	3	95	98	194	14	208	240	3	243
Plaintains.....					15	15	18	51	69		15	15
Plums-prunes.....		31	31	95	89	184	46	146	192		97	97
Pomegranates.....					6	6		15	15		7	7
Strawberries.....		96	96	2	287	289	2	299	301		225	225
Fruits, other ⁴					7	7	9	56	65	10	31	41
Total.....	31	1,300	1,331	1,099	4,396	5,495	6,167	6,442	12,609	257	5,658	5,915
Grand total.....	31	2,034	2,065	3,362	6,048	9,410	6,169	9,013	15,182	257	7,606	7,863

¹ Use of car/carlot equivalents for reporting unloads of fresh fruits was discontinued at the close of calendar year 1977. Total unloads of specified commodities at 8 markets for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 369. The term "unloads" was discontinued in favor of the term "arrivals" at the close of calendar year 1981. ² Estimated percentages of completeness for reported truck arrivals for 1989 are as follows: Atlanta 85, Chicago 93, Los Angeles 92, and San Francisco 90. ³ Includes Oakland. ⁴ Not otherwise specified.

Agricultural Marketing Service.

Table 329.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 1989 ¹

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.
Citrus:													
Grapefruit.....	2,970	3,429	3,710	2,969	1,674	324	70	44	421	1,995	2,179	2,712	22,497
Lemons.....	687	719	787	982	858	874	1,092	695	770	714	687	758	9,623
Limes.....	46	55	63	58	77	121	113	101	91	80	76	87	968
Mixed citrus.....	8	13	27	13	10	14	29	11	3	1	3	5	137
Oranges.....	4,170	4,283	4,949	5,686	4,054	2,541	2,358	1,524	1,897	2,076	3,671	5,582	42,791
Tangelos.....	173	13	1							10	238	521	956
Tangerines.....	218	215	200	71	9	1			2	85	244	318	1,363
Templets.....	327	214	63	2								1	607
Citrus, other ²									2	95	23		120
Total.....	8,599	8,941	9,800	9,781	6,682	3,875	3,662	2,375	3,186	5,056	7,121	9,984	79,062
Noncitrus:													
Apples.....	3,202	3,267	3,109	3,332	2,515	1,680	1,675	1,848	3,216	4,155	3,955	5,033	36,987
Apricots.....					160	146	18	7					331
Avocados.....	289	289	283	409	310	329	410	355	359	255	197	301	3,786
Blueberries.....						65	154	91	6				316
Cranberries.....									12	23	54	25	114
Cherries.....					249	859	555	2					1,665
Grapes, table.....	336	65	39	4	874	1,313	2,199	2,555	2,373	1,956	1,403	357	13,474
Grapes, juice.....								48	830	241	1		1,120
Kiwifruit.....	95	97	110	109	46	9				30	54	51	601
Mangoes.....					23	48	14	5	1				91
Mixed deciduous.....	15	4		2	14	63	74	29	11	12	10	4	238
Nectarines.....				1	301	1,246	1,213	1,090	431	10			4,292
Papaya.....	39	37	43	54	50	53	44	48	45	48	57	54	572
Peaches.....				7	896	1,580	1,706	1,411	719	25			6,344
Pears.....	652	645	562	663	368	185	419	618	930	1,200	959	1,131	8,332
Persimmons.....	1								1	27	35	8	72
Pineapples.....	204	226	303	249	265	237	212	212	207	208	229	213	2,765
Plums—fresh													
prunes.....					316	1,183	1,521	944	444	48			4,456
Pomegranates.....								8	36	44	23	6	117
Strawberries.....	125	151	737	1,784	1,775	806	656	562	325	172	65	76	7,234
Fruits, other ²													
Total.....	4,958	4,781	5,186	6,614	8,162	9,802	10,870	9,833	9,946	8,454	7,042	7,259	92,907
Grand total...	13,557	13,722	14,986	16,395	14,844	13,677	14,532	12,208	13,132	13,510	14,163	17,243	171,969

¹ Use of car/carlot equivalents for reporting shipments of fresh fruit was discontinued at the close of calendar year 1977. Rail and boat shipment totals of specified commodities for 1963-77 are published in carlot equivalents in *Agricultural Statistics*, 1978, table 370. ² Not otherwise specified.

Agricultural Marketing Service.

Table 330.—Fruit juices, canned: United States packs, 1975-88

Season	Citrus juices ¹				Pineapple juice ²	Apple juice
	Grape-fruit	Orange	Blended orange and grape-fruit	Tangerine and tangerine blends		
	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³	1,000 cases ³
1975.....	25,821	13,460	2,769	19	8,713	15,013
1976.....	27,689	14,435	1,584	35	10,205	15,719
1977.....	26,379	15,829	1,945	8	11,977	17,056
1978.....	25,175	18,905	1,138	19	11,336	20,804
1979.....	24,228	18,367	1,534	17	12,186	25,305
1980.....	19,429	17,604	1,082	9	12,405	25,131
1981.....	20,429	13,730	812	6	13,373	26,761
1982.....	⁴ 11,651	⁴ 9,802	⁴ 650	4	(⁵)	(⁵)
1983.....	⁴ 9,513	⁴ 9,084	⁴ 555	(⁵)	(⁵)	(⁵)
1984.....	⁴ 10,552	⁴ 7,425	⁴ 615	1	(⁵)	(⁵)
1985.....	⁴ 9,948	⁴ 7,597	⁴ 577	(⁵)	(⁵)	(⁵)
1986.....	⁴ 8,982	⁴ 8,122	⁴ 533	(⁵)	(⁵)	(⁵)
1987.....	⁴ 7,724	⁴ 7,256	⁴ 449	(⁵)	(⁵)	(⁵)
1988.....	⁴ 7,956	⁴ 8,164	⁴ 424	(⁵)	(⁵)	(⁵)

¹ Excluding citrus concentrates.

² Hawaii and foreign operations.

³ Equivalent cases of 24 No. 2 cans.

⁴ Florida only. ⁵ Not available.

Economic Research Service.

Table 331.—Fruits, dried: Production (dry basis), California, 1975-89

Year	Apples	Apri- cots	Dates	Figs ¹	Peach- es ²	Pears ³	Prunes	Grapes ⁴	Total
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1975	(⁵)	4,500	24,800	11,610	2,375	(⁵)	149,000	283,650	475,935
1976	4,300	4,650	22,400	10,070	2,500	1,270	148,000	218,400	411,590
1977	3,700	5,100	25,400	12,700	2,500	1,130	159,000	248,900	458,430
1978	3,700	3,600	21,550	9,300	2,000	855	132,000	172,475	345,480
1979	5,200	5,300	21,300	11,640	1,800	1,530	136,000	303,390	486,160
1980	2,140	3,600	22,400	14,450	2,200	1,500	168,000	310,550	524,840
1981	1,400	3,800	22,300	12,200	2,050	1,440	159,500	258,000	467,000
1982	1,000	4,800	23,900	12,200	2,600	1,200	126,000	295,300	467,000
1983	1,000	4,100	17,000	11,050	2,000	1,080	145,000	398,500	579,730
1984	2,050	3,520	22,200	11,500	1,550	780	148,000	335,350	524,950
1985	4,700	2,000	28,900	10,400	2,050	1,310	141,000	347,940	538,300
1986	1,950	1,400	17,800	16,200	1,800	1,410	99,000	278,900	418,460
1987	2,900	2,980	19,400	16,850	3,900	1,130	229,000	357,950	634,110
1988	17,800	2,640	22,000	13,450	5,000	1,220	151,000	366,500	579,610
1989	17,650	3,280	22,000	14,000	3,400	1,119	215,000	433,200	709,649

¹ Standard and substandard. ² Freestone only. ³ Bartlett only. ⁴ Raisin and table type. ⁵ Missing data not published to avoid disclosure of individual operations.

Source: Economic Research Service.

Table 332.—Fruits, dried: Commercial production in specified countries, 1987/88-1989/90

Commodity/country	1987/88	1988/89	1989/ 90 ¹	Commodity/country	1987/88	1988/89	1989/ 90 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Prunes:				Raisins:			
Argentina	11	7	8	Argentina	7	7	8
Australia	2	4	3	Australia	74	60	58
Chile	11	10	13	Chile	17	25	26
France	30	41	20	Greece	40	78	84
South Africa	3	3	3	Mexico	11	11	7
United States	208	137	205	South Africa	27	21	31
Yugoslavia	12	13	12	Turkey	110	150	130
				United States	304	316	363
Total	277	215	264	Total	590	668	707

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 333.—Fruits, frozen: Commercial pack, by kinds and areas, United States, 1989 ¹

Commodity	Northeast ²	South ³	Midwest ⁴	West ⁵	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Apples.....	⁹ 59,644		42,175	21,441	123,260
Apricots.....				17,564	17,564
Cherries, sweet.....			3,837	10,173	14,010
Peaches.....				^{10 11} 99,217	99,217
Plums and prunes.....	753				753
Purees, noncitrus ⁶				28,686	28,686
Berries:					
Blackberries.....				^{10 11} 13,765	13,765
Blueberries.....	⁹ 44,260		37,092	7,922	89,274
Boysenberries.....				4,936	4,936
Loganberries.....				720	720
Raspberries, black.....			¹⁰ 1,984		1,984
Raspberries, red.....				^{10 11} 27,300	27,300
Strawberries.....			⁹ 4,269	233,883	238,152
Citrus juices ⁷		1,928,616			1,928,616
Miscellaneous fruits and berries ⁸				^{9 11} 145,070	145,070
Total.....	104,657	1,928,616	89,357	610,677	2,733,307

¹ Includes the commercial pack only and does not include quantities produced in frozen food locker plants. ² Connecticut, Maine, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island and Vermont. ³ Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. ⁴ Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio, and Wisconsin. ⁵ Arizona, California, Colorado, Hawaii, Idaho, Montana, Oregon, Utah, and Washington. ⁶ 1989 data includes purees of apples, apricot, blueberry, guava, loganberry, cherry, boysenberry, grape, marionberry, peach, plum, black and red raspberry, strawberry, cranberry, and gooseberry. ⁷ Calendar year estimate. (See table 280 for packs of concentrated grapefruit and orange juice in gallons, pack-year basis.) ⁸ 1989 data includes cherries, RSP, cranberries, elderberries, grapes, mixed fruit, marionberries, olallieberries, oranges, pears, honeydew, cantaloupe, watermelon, avocado, pineapple, and strawberry preserves. ⁹ Includes pack in South. ¹⁰ Includes pack in Northeast. ¹¹ Includes pack in Midwest.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 334.—Fruits, frozen: Commercial pack, United States, 1980–89

Commodity	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Apples.....	69,109	105,893	100,378	75,576	77,996	85,481	111,133	122,399	117,076	123,260
Apricots.....	10,409	13,606	16,766	14,077	16,565	11,770	14,308	22,227	14,675	17,564
Cherries, sweet.....	10,776	14,209	17,206	17,303	13,282	10,262	14,404	21,332	18,482	14,010
Grapes and pulp.....	2,178	2,901	8,442	10,006	(¹)	4,715	(¹)	(¹)	(¹)	(¹)
Peaches.....	56,274	59,612	56,714	56,454	75,877	80,990	100,730	105,764	110,286	99,217
Plums and prunes.....	6,195	4,348	5,631	2,646	3,436	4,400	4,354	657	507	753
Purees, noncitrus.....	8,913	16,128	20,268	16,169	15,645	24,655	29,424	39,749	24,707	28,686
Berries:										
Blackberries.....	20,874	16,997	16,283	14,581	11,130	12,681	12,955	21,027	21,437	13,765
Blueberries.....	36,426	50,141	46,464	43,528	54,835	54,506	77,754	69,153	82,382	89,274
Boysenberries.....	4,678	3,627	5,101	3,549	3,524	2,561	5,493	5,234	6,706	4,936
Currants.....	461	330	555	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Loganberries.....	1,905	1,552	1,665	2,223	1,018	775	1,133	1,016	1,461	720
Olallieberries.....	3,646	374	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Raspberries.....	21,426	26,179	26,717	19,855	19,659	14,784	15,323	26,471	26,509	29,284
Strawberries.....	253,072	210,558	272,676	292,662	231,414	229,152	237,604	334,406	274,610	238,152
Citrus juices ²	2,403,811	1,809,524	1,643,272	1,726,906	1,223,389	1,402,320	1,551,722	1,599,870	2,096,657	1,928,616
Miscellaneous fruits and berries.....	22,158	17,324	20,004	5,640	37,839	16,148	22,960	80,727	130,908	145,070
Total.....	2,932,311	2,353,303	2,258,142	2,301,175	1,785,609	1,955,200	2,199,297	2,449,532	2,926,403	2,733,307

¹ Included in miscellaneous fruits and berries. ² Florida only. Calendar year estimate.

Economic Research Service. Data from American Frozen Food Institute and Florida Citrus Processor Association.

Table 335.—Fruit and juices: Cold-storage holdings, end of month, United States, 1988 and 1989

Month	Fresh		Frozen					
	Apples		Apples		Blueberries		Cherries	
	1988	1989	1988	1989	1988	1989	1988	1989
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	3,158,884	2,659,650	74,899	72,633	44,015	61,401	145,722	135,233
February.....	2,417,563	2,099,785	82,247	76,406	38,759	54,144	129,031	123,697
March.....	1,584,101	1,545,860	86,944	81,031	31,803	45,267	112,520	106,619
April.....	1,093,000	1,069,119	84,521	81,723	26,133	38,322	17,665	96,001
May.....	552,164	619,315	77,879	73,961	19,669	30,860	93,242	84,473
June.....	248,091	347,287	65,944	64,202	15,824	24,563	84,220	21,192
July.....	94,961	174,923	54,452	49,418	25,767	30,119	211,393	157,052
August.....	5,056	7,965	43,470	47,064	89,519	71,411	216,017	212,941
September.....	1,857,663	2,260,874	35,278	32,830	93,462	83,458	199,416	202,739
October.....	4,601,764	4,468,106	37,495	42,745	86,537	82,083	187,055	189,136
November.....	3,904,276	3,852,958	50,550	51,582	76,205	76,158	167,758	178,315
December.....	3,265,813	3,220,812	60,278	62,048	67,499	71,580	158,092	162,676

Month	Frozen—Continued					
	Strawberries		Total frozen fruit		Orange juice	
	1988	1989	1988	1989	1988	1989
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
January.....	212,150	205,421	789,237	836,532	903,754	980,918
February.....	183,083	182,143	727,351	759,278	1,072,854	1,155,880
March.....	161,933	154,509	631,512	668,600	1,004,068	1,086,959
April.....	165,082	151,161	589,461	602,129	1,018,993	1,144,769
May.....	165,496	185,078	550,515	574,288	1,122,077	1,323,309
June.....	329,587	260,082	668,799	608,829	1,171,786	1,324,844
July.....	355,539	257,909	873,115	722,248	998,495	1,167,491
August.....	338,035	245,595	982,315	842,375	827,011	932,615
September.....	312,026	228,186	998,833	859,530	693,262	808,396
October.....	286,236	205,371	1,106,050	943,189	638,671	725,650
November.....	256,328	185,344	1,003,333	907,815	589,450	669,691
December.....	235,189	167,233	939,089	805,228	721,638	745,024

National Agricultural Statistics Service.

Table 336.—Canned fruits and fruit juices: ¹ Cannery stock, United States, 1986–89

Commodity	Season beginning—	1986	1987	1988	1989
		1,000 cases	1,000 cases	1,000 cases	1,000 cases
Canned fruits: ¹					
Apriots.....	June 1.....	364	38	132	(*)
Cherries, red pitted.....	July 1.....	61	38	40	(*)
Cherries, sweet.....	June 1.....	160	96	151	(*)
Peaches, clingstone.....	June 1.....	5,995	3,334	1,352	(*)
Pears.....	June 1.....	3,018	1,666	1,981	(*)
Purple plums.....	June 1.....	281	317	184	(*)
Fruit cocktail.....	June 1.....	4,039	2,971	2,251	(*)
Canned juices: ²					
Grapefruit.....	Oct. 1.....	1,515	1,471	1,323	1,394
Orange.....	Oct. 1.....	987	1,024	855	792
Blended orange and grapefruit.....	Oct. 1.....	126	126	117	116

¹ 24/2½ cases. ² Florida only 24/2 cases. ³ Not available.

Economic Research Service.

Table 337.—Fruits: Total and per capita consumption, United States, 1975–89 ¹

Year	Fruits used fresh							
	Total fruit		Citrus fruit ²		Noncitrus fruits ³		Canned fruits ⁴	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1975.....	18,380	85.0	6,345	29.4	12,035	55.6	2,584	11.7
1976.....	18,328	84.0	6,330	29.0	11,998	54.9	2,559	11.7
1977.....	17,938	81.3	5,784	26.3	12,154	55.1	2,602	11.8
1978.....	18,671	83.8	5,909	26.6	12,762	57.2	2,441	10.9
1979.....	18,755	83.2	5,557	24.7	13,198	58.5	2,302	10.2
1980.....	20,531	90.0	6,573	28.9	13,958	61.1	2,336	10.2
1981.....	19,996	86.8	5,750	25.0	14,246	61.8	2,106	9.1
1982.....	20,373	87.5	5,748	24.7	14,625	62.8	2,194	9.4
1983.....	21,874	93.0	6,906	29.4	14,968	63.6	1,945	8.2
1984.....	21,697	91.4	5,681	24.0	16,016	67.4	1,989	8.4
1985.....	21,341	89.0	5,402	22.6	15,940	66.5	2,022	8.4
1986.....	23,107	95.5	6,270	26.0	16,837	69.5	2,116	8.7
1987.....	24,536	100.5	6,255	25.6	18,281	74.8	2,148	8.8
1988.....	24,423	99.0	6,683	27.1	17,740	71.9	2,189	8.8
1989 ⁵	24,095	96.7	6,066	24.4	18,029	72.3	(¹⁰)	(¹⁰)

Year	Canned juice ⁶		Chilled juice ⁷		Frozen fruit and juice ⁸		Dried fruits ⁹	
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds	Million pounds	Pounds
1975.....	1,595	7.4	1,204	5.6	3,005	13.9	554	2.6
1976.....	1,616	7.4	1,315	6.0	2,934	12.8	520	2.4
1977.....	1,514	6.9	1,237	5.6	3,063	13.9	516	2.3
1978.....	1,796	8.1	1,335	6.0	2,764	12.4	466	2.1
1979.....	1,686	7.5	1,214	5.4	2,801	12.5	491	2.2
1980.....	1,646	7.2	1,319	5.8	2,922	12.8	502	2.2
1981.....	1,635	7.1	944	4.1	2,902	12.6	538	2.3
1982.....	1,349	5.8	806	3.5	3,256	14.0	561	2.4
1983.....	1,124	4.8	961	4.1	3,531	15.0	569	2.4
1984.....	1,051	4.4	862	3.6	3,188	13.5	640	2.7
1985.....	903	3.8	762	3.2	3,614	15.1	656	2.7
1986.....	852	3.5	909	3.8	3,876	16.1	622	2.6
1987.....	878	3.6	1,086	4.5	3,782	15.5	705	2.8
1988.....	834	3.4	1,244	5.1	3,797	15.4	761	3.1
1989 ⁵	389	1.6	1,615	6.5	3,780	15.2	(¹⁰)	(¹⁰)

¹ Fresh citrus fruits, canned fruit, canned juice, and chilled juice are on a crop-year basis. Dried fruits are on a pack-year basis. The per capita consumption was obtained by dividing the total consumption by total population.

² Oranges, tangerines, tangelos, temple lemons, limes, and grapefruits. ³ Apples, apricots, avocados, bananas, cherries, cranberries, figs, grapes, beginning 1983 included kiwifruit, mangoes, nectarines, peaches, pears, pineapples, papayas, plums and prunes, strawberries, and miscellaneous fruits.

⁴ Apricots, cherries, fruit cocktail and salads, peaches, pears, plums and prunes, and olives. ⁵ Preliminary. ⁶ Orange, grapefruit, blended citrus, lemon and limes, fruit nectars, grapes, and prunes, beginning 1989 excludes noncitrus juices.

⁷ Orange and grapefruit. ⁸ Cherries, apples, peaches, apricots, strawberries, other berries, grapes and pulp, miscellaneous fruits, and citrus juice. ⁹ Apricots, peaches, pears, dates, figs, prunes, and raisins. Excludes unmerchantable figs, substandard prunes, and prunes used for juice and concentrate. Dried data are in terms of processed dried weight.

¹⁰ Not available.

Economic Research Service.

Table 338.—Tree nuts (shelled basis): Supply and utilization, United States, 1975-88 ¹

Season ¹	Production	Imports	Beginning stocks	Market reserve	Total supply	Ending stocks	Total use	Exports	Consumption	
									Total	Per capita pounds
	1,000 pounds									
1975.....	431,375	166,993	152,883	0	751,251	136,774	614,477	189,575	424,902	1.96
1976.....	455,224	161,400	136,774	0	753,398	114,482	638,916	218,106	420,810	1.92
1977.....	561,854	106,371	114,482	0	782,707	156,403	626,304	235,528	390,776	1.76
1978.....	410,003	124,753	156,403	0	691,159	127,422	563,737	175,463	388,274	1.73
1979.....	626,518	121,923	127,422	0	875,863	172,762	703,101	296,684	406,417	1.79
1980.....	577,552	101,117	172,762	0	851,431	169,098	682,333	262,446	419,887	1.83
1981.....	738,100	92,598	169,098	0	999,796	275,367	724,429	278,518	445,911	1.93
1982.....	663,977	122,721	273,883	6,615	1,053,966	313,394	740,572	233,131	512,221	2.19
1983.....	540,712	146,545	313,394	6,654	993,997	221,144	772,853	226,725	548,921	2.33
1984.....	875,619	139,944	221,144	28,182	1,208,525	326,198	882,327	319,119	573,050	2.41
1985.....	757,759	151,204	326,198	44,400	1,235,161	262,172	972,989	390,181	552,221	2.30
1986.....	558,410	143,096	262,172	0	963,678	181,749	781,929	238,411	543,518	2.24
1987.....	1,012,901	139,659	181,749	114,220	1,220,089	242,176	977,913	428,945	548,968	2.24
1988.....	949,838	155,689	359,290	141,600	1,323,217	261,400	1,061,817	440,100	621,717	2.51

¹ Beginning July 1 for almonds and pecans, August 1 for hazelnuts and walnuts, September 1 for pistachios, and January 1 for macadamias and all others. Other tree nuts include Brazil, pignolias, chestnuts, cashews, and miscellaneous.

Economic Research Service.

Table 339.—Tree nuts: Commercial production in specified countries, 1987/88-89/90

Commodity and country	1987/88	1988/89	1989/90 ¹	Commodity and country	1987/88	1988/89	1989/90 ¹
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Almonds (shelled basis):				Filberts (in the shell)—Con.			
Greece.....	9	19	16	Turkey.....	280	420	460
Italy.....	12	14	18	United States.....	20	15	12
Morocco.....	6	7	9	Total.....	422	593	615
Portugal.....	3	1	3				
Spain.....	65	40	90	Walnuts (in the shell):			
Turkey.....	10	13	15	China.....	147	177	160
United States.....	299	268	222	France.....	27	22	26
Total.....	404	362	373	India.....	20	17	17
				Italy.....	20	11	18
Filberts (in the shell):				Turkey.....	65	64	62
Italy.....	90	140	120	United States.....	224	190	208
Spain.....	32	18	23	Total.....	503	481	491

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés and Foreign Service Officers, results of office research, and related information.

Table 340.—Almonds (shelled basis): Production, marketing year average price per pound, and value, California, 1975-89

Year	Production	Price	Value	Year	Production	Price	Value
	<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Million pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975	186.0	63.7	118,400	1983 ¹	242.0	104.0	231,920
1976	284.0	64.8	184,032	1984	590.0	77.4	446,134
1977	313.0	84.5	264,485	1985	465.0	80.0	360,640
1978	181.0	145.0	262,450	1986	250.0	192.0	461,568
1979	376.0	153.0	575,280	1987	660.0	100.0	648,000
1980	322.0	147.0	473,340	1988	590.0	105.0	600,075
1981	408.0	78.0	299,520	1989 ²	490.0	105.0	495,075
1982 ¹	347.0	94.0	311,140				

¹ Price and value are based on edible portion of the crop only. Included in production are inedible quantities of no value as follows (million pounds): 1982—16.0; 1983—19.0; 1984—13.5; 1985—14.3; 1986—9.80; 1987—12.0; 1988—18.5; 1989—18.5. ² Preliminary.

National Agricultural Statistics Service.

Table 341.—Almonds (shelled basis ¹): Foreign trade, United States, 1975-88

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1975	221	50,316	1980	23	75,008	1985	185	119,982
1976	605	60,962	1981	54	76,005	1986	719	73,653
1977	92	62,318	1982	375	57,974	1987	174	150,191
1978	215	43,115	1983	67	63,406	1988	150	136,177
1979	63	86,706	1984	110	128,484			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1.0.

Economic Research Service.

Table 342.—Hazelnuts (filberts), (in-shell basis): Production, marketing year average price per ton, and value, United States, 1975-89

Year	Oregon			Washington			Oregon and Washington		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	11,800	610	7,198	320	595	190	12,120	610	7,388
1976	6,950	640	4,448	220	635	140	7,170	640	4,588
1977	11,400	687	7,832	350	674	236	11,750	687	8,068
1978	13,700	805	11,029	350	835	292	14,050	806	11,321
1979	12,700	951	12,078	300	970	291	13,000	951	12,369
1980	15,100	1,151	17,386	300	1,181	354	15,400	1,152	17,740
1981	14,400	786	11,319	300	770	231	14,700	786	11,550
1982	18,400	680	12,512	400	677	271	18,800	680	12,783
1983	8,000	554	4,432	200	720	144	8,200	558	4,576
1984	13,200	617	8,144	200	875	175	13,400	621	8,319
1985	24,300	677	16,451	300	957	287	24,600	680	16,738
1986	14,900	724	10,788	200	895	179	15,100	726	10,967
1987	21,500	956	20,554	300	1,160	348	21,800	959	20,902
1988	16,300	853	13,904	200	891	178	16,500	853	14,082
1989 ¹	12,800	817	10,458	200	1,030	206	13,000	820	10,664

¹ Preliminary.

National Agricultural Statistics Service.

Table 343.—Hazelnuts (shelled basis ¹): Foreign trade, United States, 1975-88

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1975.....	3,855	419	1980.....	1,728	2,137	1985.....	1,780	3,766
1976.....	5,831	605	1981.....	2,494	1,520	1986.....	1,844	2,579
1977.....	3,447	993	1982.....	2,760	1,551	1987.....	1,797	3,281
1978.....	4,029	1,496	1983.....	4,013	1,245	1988.....	4,373	2,210
1979.....	2,118	3,025	1984.....	3,498	1,271			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 2.22 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service.

Table 344.—Macadamia nuts (in-shell basis): Area, yield, production, price, and value, Hawaii, 1975-89

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975.....	6,080	3.0	18,210	31.6	5,754	1983.....	10,600	3.4	36,420	65.7	23,928
1976.....	6,300	3.0	18,990	36.9	7,007	1984.....	12,000	3.1	37,700	69.2	26,088
1977.....	6,300	3.1	19,680	40.8	8,029	1985.....	13,500	3.1	42,000	72.5	30,450
1978.....	9,200	2.3	20,980	53.8	11,287	1986.....	14,400	3.1	44,000	80.0	35,200
1979.....	9,600	2.8	26,660	62.9	16,769	1987.....	13,600	2.7	42,700	84.0	35,868
1980.....	10,000	3.3	33,390	72.4	24,174	1988.....	16,600	2.7	45,500	90.0	40,950
1981.....	10,000	3.3	33,360	79.3	26,454	1989 ¹	18,200	2.8	50,500	89.0	44,945
1982.....	10,200	3.6	36,720	73.9	27,136						

¹ Preliminary.

National Agricultural Statistics Service.

Table 345.—Pecans (in-shell basis): Production, marketing year average price per pound, and value, United States, 1975-89

Year	Improved varieties			Native and seedling			All pecans		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975.....	110,100	46.5	51,164	136,700	34.4	47,036	246,800	39.8	98,200
1976.....	77,300	87.5	67,603	25,800	63.5	16,380	103,100	81.5	83,983
1977.....	137,900	66.0	91,015	98,700	46.0	45,444	236,600	57.7	136,459
1978.....	164,500	64.5	106,170	85,400	52.8	45,080	249,900	60.5	151,250
1979.....	101,100	70.0	70,742	109,500	41.9	45,921	210,600	55.4	116,663
1980.....	128,500	84.8	109,015	55,000	62.3	34,254	183,500	78.1	143,269
1981.....	174,550	64.7	112,987	164,550	43.7	71,855	339,100	54.5	184,842
1982.....	169,000	72.6	122,776	49,600	49.8	24,715	218,600	67.5	147,491
1983.....	167,250	67.7	113,199	102,750	44.0	45,190	270,000	58.7	158,389
1984.....	169,230	68.2	115,406	63,170	46.6	29,424	232,400	62.3	144,830
1985.....	152,500	79.1	120,582	91,900	49.7	45,706	244,400	68.0	166,288
1986.....	132,650	79.3	104,765	90,050	57.6	51,884	272,700	72.1	196,649
1987.....	179,650	60.1	107,953	82,550	37.7	31,156	262,200	53.1	139,109
1988.....	185,500	62.6	116,210	122,700	41.1	50,448	308,200	54.1	166,658
1989 ^{1 2}	161,000	78.6	126,491	73,200	53.8	39,350	250,500	71.5	179,020

¹ Preliminary. ² Arizona, Kansas, Missouri, and Tennessee added to program in 1989. No breakdown between improved varieties and native and seedling varieties available. These States totaled 16.3 million pounds, 80.9 cents a pound and a value of production of 13.179 million dollars for the 1989 crop.

National Agricultural Statistics Service.

Table 346.—Pecans (in-shell basis): Production and marketing year average price per pound, by States, 1987-89

Item and State	Production			Price for crop of—		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 pounds	1,000 pounds	1,000 pounds	Cents	Cents	Cents
IMPROVED VARIETIES ²						
AL.....	13,750	6,000	13,000	42.0	58.0	50.0
AR.....	800	1,900	100	76.0	55.0	80.0
CA ³		2,200	2,000		70.0	90.2
FL.....	3,100	3,400	4,000	72.0	61.0	59.0
GA.....	100,000	95,000	69,000	56.0	62.4	70.0
LA.....	2,500	4,500	2,500	66.0	41.0	68.0
MI.....	8,000	6,500	5,500	58.9	55.0	66.0
NM.....	25,000	26,000	29,000	65.0	67.0	103.0
NC.....	1,200	3,500	300	65.0	68.0	75.0
OK.....	1,000	2,500	1,000	79.3	64.6	98.2
SC.....	2,300	4,000	600	67.5	61.4	73.3
TX.....	22,000	30,000	34,000	80.0	65.0	90.0
US.....	179,650	185,500	161,000	60.1	62.6	78.6
NATIVE AND SEEDLING						
AL.....	11,250	4,000	9,000	33.0	41.0	44.0
AR.....	500	1,100	900	38.0	37.0	55.0
CA.....	2,400	2,600	3,000	63.0	37.0	43.0
FL.....	15,000	15,000	16,000	41.0	43.8	47.2
LA.....	16,500	17,500	11,500	36.0	38.0	51.0
MI.....	4,000	3,500	3,000	40.4	37.0	47.0
NC.....	800	2,000	400	45.0	50.0	55.0
OK.....	11,000	44,500	8,000	38.0	42.2	59.1
SC.....	1,100	2,500	400	45.0	45.8	44.9
TX.....	20,000	30,000	21,000	35.0	40.0	65.0
US.....	82,550	122,700	73,200	37.7	41.1	53.8
ALL PECANS						
AL.....	25,000	10,000	22,000	38.0	51.2	47.5
AR.....	1,300	3,000	1,000	61.4	48.4	57.5
CA ³		2,200	2,000		70.0	90.2
FL.....	5,500	6,000	7,000	68.1	50.6	52.1
GA.....	115,000	110,000	85,000	54.0	59.9	65.7
LA.....	19,000	22,000	14,000	39.9	38.6	54.0
MI.....	12,000	10,000	8,500	52.7	48.7	59.3
NM.....	25,000	26,000	29,000	65.0	67.0	103.0
NC.....	2,000	5,500	700	57.0	61.5	63.6
OK.....	12,000	47,000	9,000	41.4	43.4	63.4
SC.....	3,400	6,500	1,000	60.2	55.4	62.0
TX.....	42,000	60,000	55,000	58.6	52.5	80.5
Other States ⁴			16,300			80.9
US.....	262,200	308,200	250,500	53.1	54.1	71.5

¹ Preliminary. ² Budded, grafted or topworked varieties. ³ Estimates began with the 1988 crop. ⁴ AZ, KS, MO, and TN beginning with the 1989 crop. No breakdown between improved varieties and native and seedling varieties is available.

National Agricultural Statistics Service.

Table 347.—Pecans (shelled basis ¹): Foreign trade, United States, 1975-88

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	Metric tons	Metric tons		Metric tons	Metric tons		Metric tons	Metric tons
1975.....	1,425	1,660	1980.....	478	2,021	1985.....	5,181	968
1976.....	1,612	1,066	1981.....	220	1,352	1986.....	3,938	1,229
1977.....	232	1,637	1982.....	384	2,665	1987.....	5,345	1,961
1978.....	617	1,540	1983.....	2,244	1,548	1988.....	757	2,641
1979.....	300	1,539	1984.....	1,336	931			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service.

Table 348.—Walnuts (English): Production, marketing year average price per ton, and value, United States, 1975-89

Year	California			Oregon			California and Oregon		
	Production	Price	Value	Production	Price	Value	Production	Price	Value
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	198,000	456	90,288	1,300	390	507	199,300	456	90,795
1976.....	183,000	627	114,741	700	605	424	183,700	627	115,165
1977.....	192,000	725	139,200	500	710	355	192,500	725	139,555
1978.....	160,000	1,302	208,320	(¹)	(¹)	(¹)			
1979.....	208,000	847	176,176						
1980.....	197,000	936	184,392						
1981.....	225,000	1,014	228,150						
1982.....	234,000	1,020	238,680						
1983.....	199,000	631	125,569						
1984.....	213,000	730	155,490						
1985.....	219,000	798	174,762						
1986.....	180,000	1,080	194,400						
1987.....	247,000	984	243,048						
1988.....	209,000	922	192,698						
1989 ²	229,000	972	222,588						

¹ Estimates discontinued after 1977 crop. ² Preliminary.

National Agricultural Statistics Service.

Table 349.—Walnuts (shelled basis ¹): Foreign trade, United States, 1975-88

Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports	Year beginning October	Imports	Domestic exports
	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>
1975.....	53	19,067	1980.....	4	21,772	1985.....	43	24,109
1976.....	24	16,741	1981.....	37	23,614	1986.....	1,261	29,216
1977.....	66	7,574	1982.....	107	17,392	1987.....	158	29,161
1978.....	533	12,826	1983.....	31	17,713	1988.....	72	31,646
1979.....	98	18,541	1984.....	165	24,509			

¹ Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.

Economic Research Service.

Table 350.—Cacao beans: United States imports by country of origin, 1987-89

Continent and country	1987	1988	1989	Continent and country	1987	1988	1989
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Africa:			
Costa Rica.....	18	257	302	Cameroon.....	40		
Dominican Republic.....	34,549	43,444	33,293	Nigeria.....	874	20,456	32,867
Guatemala.....	1,208	939	332	Cote d'Ivoire.....	87,750	51,740	56,309
Haiti.....	1,393	1,077	816	Ghana.....	23,484	12,656	19,228
Mexico.....	1,276	1,188		Other countries.....	181	1,567	2,633
Trinidad and Tobago.....	566	872	814	Total.....	112,329	86,419	111,037
Other countries.....	1,734	1,745	2,112				
Total.....	40,744	49,522	37,669	Asia and Oceania:			
South America:				Indonesia.....	580	1,993	11,653
Brazil.....	47,699	21,975	38,908	Malaysia.....	7,332	32,083	21,286
Colombia.....	2,638	4,030	2,555	Papua New Guinea.....	4,059	7,635	10,495
Ecuador.....	44,649	31,911	29,520	Other countries.....	182	719	1,838
Venezuela.....	480	170	795	Total.....	12,153	42,430	45,272
Other countries.....	1,588			Europe.....	333	288	390
Total.....	97,054	58,086	71,778	Grand total.....	262,613	236,745	266,146

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 351.—Cacao beans: Exports from principal producing countries, 1986–88

Continent and country	1986	1987	1988 ¹	Continent and country	1986	1987	1988 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Africa—Con.			
Costa Rica.....	1,298	881	1,265	Ghana.....	195,774	198,838	203,154
Dominican Republic.....	35,480	41,754	50,241	Ivory Coast.....	465,175	443,300	371,496
Grenada.....	1,422	1,500	1,769	Liberia.....	3,936	3,100	3,450
Haiti.....	2,700	3,400	2,000	Madagascar.....	2,119	2,964	2,410
Jamaica.....	2,196	1,852	1,693	Nigeria.....	148,426	82,000	202,800
Mexico.....	1,700	1,660	3,052	Sao Tome and Principe.....	2,860	2,760	4,240
Trinidad and Tobago.....	1,305	1,478	1,733	Sierra Leone.....	8,586	8,936	6,910
Other countries.....	4,300	4,500	4,500	Tanzania.....	760	2,500	1,340
Total.....	50,401	57,025	66,253	Togo.....	12,787	12,120	9,740
				Uganda.....	210	370	230
				Zaire.....	6,378	5,430	5,279
South America:				Total.....	959,997	881,799	938,853
Brazil.....	135,150	143,482	129,287				
Colombia.....	1,700	8,800	12,595	Asia and Oceania:			
Ecuador.....	38,285	45,358	52,861	Indonesia.....	33,173	37,231	57,386
Peru.....	700	500	500	Malaysia.....	106,084	157,428	189,389
Venezuela.....	5,466	5,744	5,583	Papua New Guinea.....	30,929	34,700	37,940
Total.....	181,301	203,884	200,826	Solomon Islands.....	2,037	2,696	2,620
				Sri Lanka.....	647	804	135
Africa:				Vanuatu.....	1,197	1,243	813
Benin.....	13,119	6,070	1,000	Western Samoa.....	1,285	767	372
Cameroon.....	89,667	104,796	116,102	Total.....	175,352	234,869	288,655
Comoro Islands.....	10	10	10				
Congo.....	1,190	1,160	1,360	Grand total.....	1,367,051	1,377,577	1,494,587
Equatorial Guinea.....	7,100	5,700	7,490				
Gabon.....	1,900	1,745	1,842				

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

Table 352.—Coffee: Area, yield, production, marketing year average price, and value, Hawaii, 1975–76 to 1989–90

Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value	Season	Area harvested	Yield per harvested acre	Production	Price per pound	Value
	<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Acres</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975–76.....	2,000	0.9	1,860	0.752	1,399	1983–84.....	1,800	1.6	2,800	2.25	6,300
1976–77.....	2,000	1.1	2,120	1.85	3,922	1984–85.....	1,700	1.0	1,750	2.75	4,813
1977–78.....	2,000	1.1	2,270	1.38	3,133	1985–86.....	1,650	1.1	1,850	2.80	5,180
1978–79.....	1,900	.9	1,680	1.26	2,117	1986–87.....	2,000	1.5	3,000	2.90	8,700
1979–80.....	1,800	1.2	2,190	1.43	3,132	1987–88.....	2,050	.9	1,800	2.70	4,860
1980–81.....	1,700	.9	1,440	1.60	2,304	1988–89.....	2,150	.9	2,000	3.00	6,000
1981–82.....	1,700	1.3	2,210	2.00	4,420	1989–90 ¹	2,300	1.0	2,200	4.05	8,910
1982–83.....	1,900	.5	990	2.15	2,129						

¹ Preliminary.

National Agricultural Statistics Service.

Table 353.—Coffee: United States imports by country of origin, 1987-89 ¹

Continent and country	1987	1988	1989 ²	Continent and country	1987	1988	1989 ²
	1,000 bags	1,000 bags	1,000 bags		1,000 bags	1,000 bags	1,000 bags
North America:				Africa—Con.			
Costa Rica	551	233	400	Cote d'Ivoire	476	654	335
Dominican Republic	446	366	402	Ethiopia	421	218	432
El Salvador	1,117	829	790	Kenya	277	143	182
Guatemala	1,439	605	1,396	Madagascar	6	4	12
Honduras	509	141	200	Rwanda	61	58	33
Mexico	2,764	1,719	3,937	Uganda	587	481	458
Other countries	132	78	77	Zaire	54	12	.....
Total	6,958	3,971	7,202	Other countries	96	61	90
				Total	2,054	1,695	1,633
South America:				Asia and Oceania:			
Brazil	3,928	4,213	4,155	India	238	127	220
Colombia	2,549	2,235	2,413	Indonesia	911	731	635
Ecuador	1,285	801	1,158	Papua, New Guinea	47	15	32
Peru	573	435	672	Philippines	105	298	362
Venezuela	163	72	87	Thailand	302	296	355
Other countries	73	79	55	Other countries	52	55	52
Total	8,571	7,835	8,540	Total	1,655	1,522	1,656
Africa:				Other countries	668	311	351
Burundi	45	14	37	Grand total	19,906	15,334	19,382
Cameroon	31	50	54				

¹ Green coffee only; does not include roasted or soluble.² Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 354.—Coffee: Exports from principal producing countries, 1986-88 ¹

Continent and country of origin	1986	1987	1988 ²	Continent and country of origin	1986	1987	1988 ²
	1,000 bags	1,000 bags	1,000 bags		1,000 bags	1,000 bags	1,000 bags
North America:				Africa—Con.			
Costa Rica	1,560	2,273	2,019	Central African Republic ..	164	193	242
Dominican Republic	518	506	439	Ethiopia	1,250	1,226	1,408
El Salvador	2,072	2,580	2,051	Guinea	67	78	89
Guatemala	2,267	2,466	2,479	Cote d'Ivoire	4,186	2,815	3,660
Haiti	268	208	276	Kenya	2,046	1,600	1,383
Honduras	1,324	1,451	1,263	Madagascar	845	802	675
Mexico	3,354	3,652	2,775	Tanzania	843	791	613
Nicaragua	558	654	549	Togo	199	217	330
Total	11,921	13,790	11,851	Uganda	2,347	2,517	2,404
				Zaire	2,436	1,774	915
South America:				Total	16,482	13,689	13,530
Brazil	10,096	18,847	17,082	Asia and Oceania:			
Colombia	11,380	11,284	9,784	India	1,490	1,563	1,476
Ecuador	1,920	1,863	1,404	Indonesia	4,991	4,841	4,994
Peru	1,247	1,165	825	Papua New Guinea	887	1,071	748
Venezuela	336	212	162	Total	7,368	7,475	7,218
Total	24,979	33,371	29,257	Grand total	60,750	68,325	61,856
Africa:							
Angola	310	269	178				
Cameroon	1,789	1,407	1,633				

¹ Mostly green coffee, some countries include soluble or roasted.² Preliminary.

Foreign Agricultural Service, International Coffee Organization.

Table 355.—Tea: United States imports by country of origin, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:				Asia and Oceania—Con.			
Canada.....	1,491	1,389	406	Hong Kong.....	1,088	318	739
Total.....	1,491	1,389	406	India.....	3,042	3,625	3,153
Central and South America:				Indonesia.....	10,395	14,380	12,293
Argentina.....	15,897	13,815	17,219	Japan.....	1,184	1,146	592
Brazil.....	5,418	4,147	4,736	Papua New Guinea.....	75	321	571
Ecuador.....	576	1,580	445	Sri Lanka.....	4,799	5,919	5,693
Other countries.....	257	354	497	Other countries.....	251	279	4,492
Total.....	22,148	19,896	22,897	Total.....	38,422	49,979	48,140
Europe:				Africa:			
Germany, Fed. Rep. of.....	3,422	5,198	5,773	Kenya.....	4,145	6,198	6,005
Netherlands.....	3,258	3,843	2,508	Malawi.....	1,991	1,645	1,871
United Kingdom.....	515	513	411	Mozambique.....	184	66	21
Other countries.....	128	133	316	Rwanda.....	591	680	1,004
Total.....	7,323	9,687	9,008	South Africa.....	68	31	158
Asia and Oceania:				Tanzania.....	387	159	93
China.....	16,728	22,950	19,692	Other countries.....	641	414	547
Taiwan.....	860	1,041	915	Total.....	8,007	9,193	9,699
				Grand total.....	77,391	90,144	90,150

¹ Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 356.—Tea: Exports from principal producing countries, 1986-88

Continent and country	1986	1987	1988 ¹	Continent and country	1986	1987	1988 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
South America:				Asia and Oceania:			
Argentina.....	36,279	33,647	34,000	Bangladesh.....	27,675	21,606	26,187
Brazil.....	10,851	8,073	9,000	China.....	172,028	174,274	198,289
Ecuador.....	889	1,075	1,000	Taiwan.....	9,011	7,375	7,631
Total.....	48,019	42,795	44,000	India.....	203,149	201,891	221,540
Africa:				Indonesia.....	78,957	90,422	92,687
Burundi.....	3,449	4,265	3,659	Japan.....	1,261	1,107	1,260
Kenya.....	116,456	134,963	138,201	Malaysia.....	776	896	806
Malawi.....	40,189	33,404	36,961	Papua New Guinea.....	5,213	5,491	5,829
Mauritius.....	6,364	6,595	5,436	Sri Lanka.....	207,567	200,774	219,710
Mozambique.....	1,820	2,100	810	Turkey.....	798	177	234
Rwanda.....	11,000	12,008	12,218	Vietnam.....	12,500	13,000	13,500
Tanzania.....	14,370	11,441	10,034	Total.....	718,935	717,013	787,673
Uganda.....	2,792	2,079	3,078	Grand total.....	977,534	978,552	1,056,069
Zaire.....	2,321	1,784	2,000				
Zimbabwe.....	11,819	10,105	11,999				
Total.....	210,580	218,744	224,396				

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attachés and Foreign Service Officers, results of office research, and related information.

Table 357.—Mushrooms: Area, production, marketing year average price, and value, United States, 1976/77–1989/90 ¹

Year ²	Area in production	Production	Price per pound	Value of production		
				Total	Fresh market	Processing
	<i>1,000 sq. ft.</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1976–77.....	117,692	347,129	73.7	255,678	124,613	131,065
1977–78.....	135,101	398,703	77.1	307,588	172,159	135,429
1978–79.....	146,738	454,007	79.7	361,800	217,770	144,030
1979–80.....	150,758	470,069	78.4	368,597	245,201	123,396
1980–81.....	140,346	469,576	79.8	374,499	260,439	114,060
1981–82.....	141,326	517,146	81.0	418,706	308,805	109,901
1982–83.....	135,395	490,826	87.9	431,421	338,048	93,373
1983–84.....	142,810	561,531	86.6	486,388	374,327	112,061
1984–85.....	139,133	595,681	82.9	493,648	392,762	100,886
1985–86.....	129,565	587,956	83.9	493,039	404,914	88,179
1986–87.....	129,496	615,387	86.5	531,658	443,037	88,621
1987–88.....	130,527	631,819	86.1	544,300	444,967	99,333
1988–89.....	132,659	667,759	89.3	596,338	474,675	121,663
1989–90.....	137,867	715,010	90.2	644,754	512,071	132,683

¹ Area, production, price, and value estimates are primarily Agaricus, but also include specialty mushrooms through 1986–87. Statistics after 1986–87 are for Agaricus only. ² Marketing year begins July 1 and ends June 30 the following year.

National Agricultural Statistics Service.

Table 358.—Mushrooms, canned: United States imports by country of origin, 1980–89

Country	1980	1981	1982 ¹	1983 ¹	1984 ¹	1985 ¹	1986 ¹	1987 ¹	1988 ¹	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada.....	38	8	35	42	5	11	64	31	7	452
China.....	6,727	12,449	16,617	16,639	20,530	20,854	22,021	28,438	23,925	26,267
Taiwan.....	25,996	11,030	17,345	19,289	28,072	22,162	23,763	26,200	11,590	9,326
India.....			10		8	14	81	4	78	1,325
Thailand.....		10	73	21	125	93	238	251	336	788
France.....	93	70	50	257	798	209	118	92	107	78
Hong Kong.....	8,899	10,651	7,379	7,745	10,128	14,073	18,840	9,800	7,518	7,834
Netherlands.....		1	1	335	2,302	1,281	455	233	76	957
Japan.....	207	167	114	179	355	283	174	212	58	151
Korea, Rep. of.....	8,803	4,276	2,350	3,624	5,283	4,563	3,503	2,037	1,613	813
Macao.....	902	1,040	1,511	1,500	854	546	913	1		
Indonesia.....	10			1		401	970	1,412	3,983	4,235
Spain.....	46	78	16	1,047	6,967	4,795	1,998	2,201	2,523	3,300
Other.....	400	73	109	137	824	464	799	603	680	812
Total.....	52,121	39,853	45,610	50,816	76,251	69,749	73,937	71,515	52,494	56,338

¹ Includes straw mushrooms.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 359.—Specialty mushrooms: Number of growers, total production, volume of sales, price per pound, and value of sales, July 1-June 30 ¹

Year and variety	Growers	All sales			
		Total production ²	Volume of sales ³	Price per pound	Value of sales
	<i>Number</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1987-88					
Shiitake.....		3,734	3,606	5.34	19,258
Oyster.....		961	931	2.33	2,167
Other.....		495	448	2.80	1,254
US.....	73	5,190	4,985	4.55	22,679
1988-89					
Shiitake.....		3,724	3,542	4.71	16,669
Oyster.....		1,512	1,439	2.72	3,920
Other.....		564	533	2.68	1,427
US.....	233	5,800	5,514	3.99	22,016
1989-90					
Shiitake.....		3,968	3,754	4.43	16,616
Oyster.....		1,597	1,516	2.61	3,964
Other.....		639	585	2.89	1,689
US ⁴	215	6,204	5,855	3.80	22,269

¹ Specialty mushroom estimates through the 1987-88 crop year represent commercial growers with sales of over \$10,000. Statistics after 1987-88 represent growers who have at least 200 natural wood logs or commercial indoor growing area. ² Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.). ³ Virtually all specialty mushroom sales are for fresh market. ⁴ States reporting in 1989-90. East: Federal Regions I-IV include Ala., Conn., Fla., Ky., Mass., N.Y., N.C., Pa., Va., Vt., and W. Va. Central: Federal Regions V and VII include Ill., Iowa, Mich., Minn., Mo., Ohio, and Wis. West: Federal Regions VI, VIII, IX and X include Ark., Calif., Hawaii, Idaho, N.M., Okla., Oreg., S. Dak., and Utah.

National Agricultural Statistics Service.

Table 360.—Cut flowers: Sales and value, United States, 1979-89

Year	Quantity sold	Wholesale price	Value of sales at wholesale ¹	Quantity sold	Wholesale price	Value of sales at wholesale ¹
Standard carnations				Miniature carnations		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1979.....	408,840	11.0	44,784	5,838	1.44	8,425
1980.....	379,375	11.0	41,880	5,891	1.54	9,044
1981.....	345,747	11.8	40,936	5,989	1.60	9,605
1982.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	292,593	13.0	37,934	10,103	1.46	14,796
1985 ³	289,985	15.9	46,156	11,458	1.68	18,883
1986 ³	258,814	15.1	39,033	11,472	1.44	16,471
1987.....	274,865	14.7	40,479	13,258	1.43	18,995
1988.....	290,047	14.5	42,154	13,233	1.51	20,001
1989.....	247,955	14.5	36,038	12,537	1.41	17,737
Standard chrysanthemums				Pompon chrysanthemums ⁴		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Bunches</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1979.....	107,578	24.8	26,714	34,992	1.06	36,957
1980.....	93,753	27.6	25,848	34,900	1.08	37,737
1981.....	86,562	26.2	22,698	36,735	1.09	40,021
1982.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	67,113	33.3	22,335	33,323	1.17	38,846
1985 ³	60,162	42.1	25,345	36,245	1.22	44,805
1986 ³	43,657	35.8	15,625	32,666	1.10	35,822
1987.....	42,752	35.7	15,256	29,088	1.31	38,083
1988.....	44,108	32.9	14,505	30,021	1.27	38,274
1989.....	39,418	35.8	14,095	22,916	1.28	29,286
Hybrid Tea roses				Sweetheart roses		
	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 Blooms</i>	<i>Cents</i>	<i>1,000 dollars</i>
1979.....	327,824	23.9	78,332	116,796	17.1	20,019
1980.....	313,631	27.1	85,036	112,036	19.9	22,322
1981.....	312,955	28.8	90,036	108,684	19.9	21,603
1982.....	(²)	(²)	(²)	(²)	(²)	(²)
1983.....	(²)	(²)	(²)	(²)	(²)	(²)
1984.....	354,131	30.2	106,761	108,308	22.4	24,231
1985 ³	370,497	34.0	125,925	106,529	24.6	26,213
1986 ³	354,702	35.3	125,038	107,475	24.3	26,166
1987.....	438,184	34.8	152,646	126,437	23.8	30,133
1988.....	440,627	35.3	155,385	124,813	24.3	30,370
1989.....	479,850	35.1	168,191	105,386	26.1	27,471
Gladioli				Other cut flowers ⁵		
	<i>1,000 Spikes</i>	<i>Cents</i>	<i>1,000 dollars</i>			<i>1,000 dollars</i>
1979.....	149,704	13.2	19,824			
1980.....	146,602	13.2	19,397			
1981.....	136,004	14.6	19,904			
1982.....	(²)	(²)	(²)			
1983.....	(²)	(²)	(²)			
1984.....	124,812	17.4	21,775			
1985 ³	158,996	16.1	25,555			58,848
1986 ³	170,788	15.5	26,534			75,137
1987.....	200,526	16.2	32,446			111,435
1988.....	199,273	17.0	33,935			123,230
1989.....	185,516	18.0	33,383			142,808

¹ Equivalent wholesale value of all sales. ² 1982-83 data not available because of program reduction. ³ 1985 and 1986 data not comparable with 1984. ⁴ Data for 1979-84 includes a small amount of standard chrysanthemums to avoid disclosure of individual operations. ⁵ Begun in 1985.

National Agricultural Statistics Service.

CHAPTER VI

STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS

Chapter VI deals with hay, pasture, seeds, and various minor field crops. Table 370 shows the seeding rate for a number of specified crops. The state averages are based on surveys made in 1980. The United States average rates are derived by weighting the average for each State by the area planted to the particular crop. Rates are not shown for States where the crop is not estimated currently.

Table 361.—Hay, all: Area, yield, production, disposition, and value, United States, 1975-89

Year	Area harvested	Yield per acre	Production	Used on farms where produced	Sold	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	61,353	2.16	132,397	105,874	26,523	52.10	6,458,070
1976	60,377	1.99	120,125	94,675	25,450	60.20	6,814,924
1977	60,988	2.17	132,211	105,133	27,078	53.70	6,826,411
1978	62,113	2.32	143,817	115,544	28,273	49.80	6,663,678
1979	61,279	2.40	147,307	118,846	29,001	59.40	7,345,466
1980	58,870	2.22	130,740	(2)	(2)	71.00	8,084,666
1981	59,599	2.39	142,520	(2)	(2)	67.30	9,181,300
1982	59,812	2.50	149,241	(2)	(2)	69.30	9,529,516
1983	59,694	2.36	140,738	(2)	(2)	75.80	9,967,208
1984	61,414	2.45	150,582	(2)	(2)	72.70	10,203,921
1985	60,461	2.46	148,719	(2)	(2)	67.60	9,437,282
1986	62,334	2.49	155,385	(2)	(2)	59.70	8,610,996
1987	60,133	2.45	147,457	(2)	(2)	65.00	8,845,395
1988	65,055	1.94	126,010	(2)	(2)	85.20	10,457,326
1989 ¹	63,395	2.29	145,445	(2)	(2)	87.50	11,778,477

¹ Preliminary. ² Series discontinued.
National Agricultural Statistics Service.

Table 362.—Hay, all: Stocks on farms, United States, 1975-90

Year	Jan. 1	May 1	Year	Jan. 1	May 1
	<i>1,000 tons</i>	<i>1,000 tons</i>		<i>1,000 tons</i>	<i>1,000 tons</i>
1975	84,687	18,505	1983	103,996	28,118
1976	86,411	25,541	1984	89,262	20,140
1977	77,651	19,540	1985	100,533	26,826
1978	92,136	24,184	1986	96,597	26,731
1979	99,024	30,108	1987	¹ 121,564	32,333
1980	107,707	33,192	1988	118,593	27,074
1981	91,689	25,374	1989	90,312	17,507
1982	99,160	24,981	1990 ²	101,158	27,080

¹ Per program modification, hay stocks survey reference data was changed from Jan. 1 to Dec. 1 previous year beginning Dec. 1, 1987. ² Preliminary.
National Agricultural Statistics Service.

Table 363.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 1987-89

State	Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ.....	160	155	150	7.80	7.90	7.60	1,248	1,225	1,140
AR.....	35	35	35	3.00	2.30	3.00	105	81	105
CA.....	1,080	1,100	1,020	6.70	6.60	6.70	7,236	7,260	6,834
CO.....	830	780	750	3.50	3.40	3.20	2,905	2,652	2,400
CT.....	21	19	17	2.75	2.79	2.70	58	53	46
DE.....	9	9	9	2.75	3.75	4.10	25	34	37
ID.....	1,020	920	930	3.90	3.80	4.00	3,978	3,496	3,720
IL.....	570	950	780	3.90	2.50	3.70	2,223	2,375	2,886
IN.....	380	460	400	3.80	2.60	3.60	1,444	1,196	1,440
IA.....	1,450	2,400	1,900	3.75	2.35	3.00	5,438	5,640	5,700
KS.....	850	750	850	3.80	3.30	3.60	3,230	2,475	3,060
KY.....	335	370	380	3.30	2.80	3.70	1,106	1,036	1,406
LA.....	12	10	5	2.80	2.80	2.80	34	28	14
ME.....	24	21	20	2.25	2.50	2.00	54	53	40
MD.....	85	80	85	3.75	3.75	3.75	319	300	319
MA.....	33	33	31	2.55	2.60	2.65	84	86	82
MI.....	1,100	1,300	1,300	3.20	2.60	3.60	3,520	3,380	4,680
MN.....	1,700	2,400	1,700	3.50	1.90	2.60	5,950	4,560	4,420
MO.....	500	480	530	2.75	2.10	2.80	1,375	1,008	1,484
MT.....	1,300	1,100	1,350	2.20	1.90	2.20	2,860	2,090	2,970
NE.....	1,300	1,350	1,300	3.55	3.00	3.00	4,615	4,050	3,900
NV.....	245	250	245	4.20	4.20	4.40	1,029	1,050	1,078
NH.....	20	17	16	2.40	2.45	2.55	48	42	41
NJ.....	40	39	34	3.40	3.10	2.80	136	121	95
NM.....	240	240	235	5.10	4.90	4.90	1,224	1,176	1,152
NY.....	930	880	840	2.80	2.70	2.45	2,604	2,376	2,058
NC.....	25	30	35	2.80	2.75	3.00	70	83	105
ND.....	1,550	1,000	1,500	1.90	0.75	1.00	2,945	750	1,500
OH.....	710	725	725	3.70	2.90	3.30	2,627	2,103	2,393
OK.....	410	410	450	3.30	3.10	3.80	1,353	1,271	1,710
OR.....	400	385	400	4.20	4.10	4.30	1,680	1,579	1,720
PA.....	850	840	820	3.20	2.90	2.90	2,720	2,436	2,378
RI.....	3	2	2	2.70	2.75	2.65	8	6	5
SD.....	2,300	2,100	2,000	2.20	1.10	1.20	5,060	2,310	2,400
TN.....	140	110	90	2.70	2.10	3.10	378	231	279
TX.....	140	100	110	3.50	3.90	4.20	490	390	462
UT.....	485	490	470	4.10	3.90	3.70	1,988	1,911	1,739
VT.....	108	100	105	2.50	2.20	2.35	270	220	247
VA.....	135	130	150	2.80	3.20	3.80	378	416	570
WA.....	460	490	480	4.30	4.20	4.30	1,978	2,058	2,064
WV.....	80	70	70	2.80	2.30	2.90	224	161	203
WI.....	2,800	3,100	3,100	2.80	1.40	2.30	7,840	4,340	7,130
WY.....	570	520	520	2.40	2.30	2.30	1,368	1,196	1,196
US.....	25,435	26,750	25,939	3.31	2.59	2.98	84,225	69,304	77,208

¹ Preliminary.

National Agricultural Statistics Service.

Table 364.—Hay, all other: Area, yield, and production, by States, 1987-89

State	Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	750	700	2.10	2.00	2.20	1,470	1,500	1,540
AZ.....	30	25	35	4.50	4.00	4.00	135	100	140
AR.....	950	935	965	1.70	1.70	2.20	1,615	1,590	2,123
CA.....	540	580	650	2.50	2.40	2.60	1,350	1,392	1,690
CO.....	670	870	750	1.70	1.50	1.40	1,139	1,305	1,050
CT.....	63	60	66	2.15	2.25	1.90	135	135	125
DE.....	12	17	16	1.95	2.00	2.25	23	34	36
FL.....	275	270	260	2.50	2.40	2.30	688	648	598
GA.....	600	570	600	2.20	2.20	2.70	1,320	1,254	1,620
ID.....	250	220	190	2.10	1.75	1.70	525	385	323

See footnotes at end of table.

Table 364.—Hay, all other: Area, yield, and production, by States, 1987-89—Continued

State	Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
IL.....	430	550	320	2.20	1.70	2.00	946	935	640
IN.....	350	480	370	2.30	1.40	2.50	805	672	925
IA.....	550	800	500	2.30	1.40	1.90	1,265	1,120	950
KS.....	1,550	1,800	1,600	1.80	1.50	1.60	2,790	2,700	2,560
KY.....	1,800	1,850	1,950	1.80	1.50	2.10	3,240	2,775	4,095
LA.....	348	345	295	2.70	2.50	2.60	940	863	767
ME.....	180	180	200	1.80	1.84	1.90	324	333	380
MD.....	170	165	155	2.05	2.20	2.00	349	363	310
MA.....	90	76	72	2.10	2.25	2.15	189	171	155
MI.....	300	600	250	1.90	1.40	2.10	570	840	525
MN.....	925	1,600	900	2.00	1.50	2.20	1,850	2,400	1,980
MS.....	650	650	650	2.20	2.00	2.40	1,430	1,300	1,560
MO.....	2,950	3,400	3,200	1.60	1.20	1.65	4,720	4,080	5,280
MT.....	900	700	1,000	1.50	1.00	1.50	1,350	700	1,500
NE.....	1,800	2,050	2,000	1.25	1.20	.95	2,250	2,460	1,900
NV.....	270	260	275	1.30	1.10	1.40	351	286	385
NH.....	63	65	60	2.00	2.10	2.10	126	137	126
NJ.....	72	71	77	2.10	1.90	1.90	151	135	146
NM.....	65	55	60	1.80	1.80	1.80	117	99	108
NY.....	1,230	1,190	1,240	2.05	1.95	2.00	2,522	2,321	2,480
NC.....	445	420	480	1.65	1.70	2.20	734	714	1,056
ND.....	1,300	1,700	1,900	1.30	.70	.80	1,690	1,190	1,520
OH.....	690	900	900	2.40	1.60	2.40	1,656	1,440	2,160
OK.....	1,800	1,950	1,950	1.60	1.40	1.70	2,880	2,660	3,315
OR.....	650	650	650	1.75	1.65	1.80	1,138	1,073	1,170
PA.....	1,130	1,120	1,110	2.10	1.90	2.10	2,373	2,128	2,331
RI.....	5	6	5	2.20	2.30	2.30	11	14	12
SC.....	235	240	235	2.00	2.10	2.40	470	504	564
SD.....	1,550	2,000	2,100	1.20	.80	.90	1,860	1,600	1,890
TN.....	1,450	1,500	1,610	1.60	1.40	2.00	2,320	2,100	3,220
TX.....	3,100	3,100	3,800	2.40	1.60	2.40	7,440	4,960	9,120
UT.....	160	140	130	2.10	1.90	1.90	336	266	247
VT.....	280	275	260	1.90	1.80	1.95	532	495	507
VA.....	1,100	1,080	1,050	1.50	1.70	1.90	1,650	1,836	1,995
WA.....	270	310	300	2.40	2.50	2.50	648	775	750
WV.....	470	480	490	1.40	1.30	1.70	658	624	833
WI.....	650	680	500	2.00	.90	1.90	1,300	612	950
WY.....	630	620	580	1.35	1.10	1.00	851	682	580
US.....	34,698	38,305	37,456	1.82	1.48	1.82	63,232	56,706	68,237

¹ Preliminary.

National Agricultural Statistics Service.

Table 365.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1975-89

Year beginning May	Farm carry-over May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	Million tons	Million tons	Million tons	Million units	Tons	Tons	Dollars
1975.....	18.5	132.4	150.9	125.4	98.2	1.54	1.28	52.10
1976.....	25.5	120.1	145.6	126.1	94.8	1.54	1.33	60.20
1977.....	19.5	132.2	151.7	127.5	89.5	1.69	1.42	53.70
1978.....	24.2	143.8	168.0	137.9	86.0	1.95	1.60	49.80
1979.....	30.1	147.3	177.4	144.6	87.5	2.03	1.65	59.40
1980.....	33.2	130.7	163.9	135.5	89.9	1.82	1.54	71.00
1981.....	25.4	142.5	167.9	142.9	91.8	1.83	1.56	67.30
1982.....	25.0	149.2	174.2	146.1	90.2	1.93	1.62	69.30
1983.....	28.1	140.8	168.9	148.8	87.1	1.94	1.71	75.80
1984.....	20.1	150.6	170.7	143.8	83.6	2.04	1.72	72.70
1985.....	26.9	148.6	175.5	148.8	81.2	2.16	1.83	67.60
1986.....	26.7	155.5	182.2	149.8	79.0	2.31	1.90	59.70
1987.....	32.4	149.3	181.7	154.4	77.3	2.35	2.00	65.10
1988.....	27.1	126.0	153.1	135.6	76.3	2.00	1.78	85.20
1989 ¹	17.5	145.4	162.9	135.8	76.4	2.13	1.78	86.00

¹ Preliminary.

Economic Research Service.

Table 366.—Hay, all: Marketing Year average price and value of production, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per ton, baled			Value of production		
	1987	1988	1989	1987	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	63.50	63.50	61.00	93,345	95,250	93,940
AZ.....	81.50	89.50	103.00	112,715	118,588	131,840
AR.....	53.00	63.00	59.00	91,160	105,272	131,452
CA.....	77.50	94.00	103.00	665,415	813,288	877,972
CO.....	62.00	82.00	95.50	250,728	324,474	329,475
CT.....	99.00	110.00	111.00	19,107	20,680	18,981
DE.....	98.00	102.00	95.50	4,704	6,936	6,972
FL.....	72.00	68.00	76.00	49,536	44,064	45,448
GA.....	62.00	62.00	58.00	81,840	77,748	93,960
ID.....	49.50	78.00	80.50	222,899	302,718	325,462
IL.....	62.50	99.00	85.00	198,063	327,690	299,710
IN.....	56.00	117.00	84.00	125,944	218,556	198,660
IA.....	43.00	75.00	82.50	288,229	507,000	548,625
KS.....	58.50	77.00	82.50	352,170	398,475	463,650
KY.....	64.50	85.50	75.50	280,317	325,841	415,326
LA.....	44.00	53.00	54.00	42,856	47,223	42,174
ME.....	67.00	71.00	74.00	25,326	27,406	31,080
MD.....	96.00	100.00	92.50	64,128	66,300	58,183
MA.....	92.00	100.00	105.00	25,116	25,700	24,885
MI.....	60.50	94.00	74.00	247,445	396,680	385,170
MN.....	63.50	98.00	88.00	495,300	682,080	563,200
MS.....	38.00	44.00	45.00	54,340	57,200	70,200
MO.....	58.50	78.00	77.00	356,558	396,864	520,828
MT.....	45.00	85.00	71.00	189,450	237,150	317,370
NE.....	40.00	63.50	77.00	274,600	413,385	446,600
NV.....	77.00	95.50	96.50	106,260	127,588	141,180
NH.....	92.00	100.00	100.00	16,008	17,900	16,700
NJ.....	105.00	107.00	104.00	30,135	27,392	25,064
NM.....	89.00	102.00	111.00	119,349	130,050	139,860
NY.....	72.00	75.50	78.00	369,072	354,624	353,964
NC.....	88.00	63.00	66.00	70,752	50,211	76,626
ND.....	36.50	78.00	72.00	169,178	151,320	217,440
OH.....	79.50	117.00	119.00	340,499	414,531	541,807
OK.....	63.00	77.50	71.00	266,679	304,653	356,775
OR.....	68.00	76.00	84.50	191,624	201,552	244,205
PA.....	84.50	92.50	94.50	430,359	422,170	445,001
RI.....	105.00	110.00	110.00	1,995	2,200	1,870
SC.....	67.50	70.50	67.00	31,725	35,532	37,788
SD.....	36.00	69.50	75.00	249,120	271,745	321,750
TN.....	53.00	58.00	50.00	142,994	135,198	174,950
TX.....	65.00	74.00	71.50	515,450	395,900	685,113
UT.....	67.00	76.00	83.50	155,708	165,452	165,831
VT.....	80.00	90.00	90.00	64,160	64,350	67,860
VA.....	85.00	82.00	83.00	172,380	184,664	212,895
WA.....	54.50	78.50	89.50	143,117	222,391	251,853
WV.....	59.00	78.00	74.50	52,038	61,230	77,182
WI.....	53.50	107.00	77.50	488,990	529,864	626,200
WY.....	48.00	80.00	87.50	106,512	150,240	155,400
US.....	65.00	85.20	87.50	8,845,395	10,457,326	11,778,477

National Agricultural Statistics Service.

Table 367.—Hay, all: Area, yield, and production, by States, 1987-89

State	Area harvested			Yield per harvested acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL.....	700	750	700	2.10	2.00	2.20	1,470	1,500	1,540
AZ.....	190	180	185	7.28	7.36	6.92	1,383	1,325	1,280
AR.....	985	970	1,000	1.75	1.72	2.23	1,720	1,671	2,228
CA.....	1,620	1,680	1,670	5.30	5.15	5.10	8,586	8,652	8,524
CO.....	1,500	1,650	1,500	2.70	2.40	2.30	4,044	3,957	3,450
CT.....	84	79	83	2.30	2.38	2.06	193	188	171
DE.....	21	26	25	2.29	2.62	2.92	48	68	73
FL.....	275	270	260	2.50	2.40	2.30	688	648	598
GA.....	600	570	600	2.20	2.20	2.70	1,320	1,254	1,620
ID.....	1,270	1,140	1,120	3.55	3.40	3.61	4,503	3,881	4,043
IL.....	1,000	1,500	1,100	3.17	2.21	3.21	3,169	3,310	3,526
IN.....	730	940	770	3.08	1.99	3.07	2,249	1,868	2,365
IA.....	2,000	3,200	2,400	3.35	2.11	2.77	6,703	6,760	6,650
KS.....	2,400	2,550	2,450	2.51	2.03	2.29	6,020	5,175	5,620
KY.....	2,135	2,220	2,330	2.04	1.72	2.36	4,346	3,811	5,501
LA.....	360	355	300	2.71	2.51	2.60	974	891	781
ME.....	204	201	220	1.85	1.92	1.91	378	386	420
MD.....	255	245	240	2.62	2.71	2.62	668	663	629
MA.....	123	109	103	2.22	2.36	2.30	273	257	237
MI.....	1,400	1,900	1,550	2.92	2.22	3.36	4,090	4,220	5,205
MN.....	2,625	4,000	2,600	2.97	1.74	2.46	7,800	6,960	6,400
MS.....	650	650	650	2.20	2.00	2.40	1,430	1,300	1,560
MO.....	3,450	3,880	3,730	1.77	1.31	1.81	6,095	5,088	6,764
MT.....	2,200	1,800	2,350	1.91	1.55	1.90	4,210	2,790	4,470
NE.....	3,100	3,400	3,300	2.21	1.91	1.76	6,865	6,510	5,800
NV.....	515	510	520	2.68	2.62	2.81	1,380	1,336	1,463
NH.....	83	82	76	2.10	2.18	2.20	174	179	167
NJ.....	112	110	111	2.56	2.33	2.17	287	256	241
NM.....	305	295	295	4.40	4.32	4.27	1,341	1,275	1,260
NY.....	2,160	2,070	2,080	2.37	2.27	2.18	5,126	4,697	4,538
NC.....	470	450	515	1.70	1.77	2.25	804	797	1,161
ND.....	2,850	2,700	3,400	1.63	.72	.89	4,635	1,940	3,020
OH.....	1,400	1,625	1,625	3.06	2.18	2.80	4,283	3,543	4,553
OK.....	2,210	2,310	2,400	1.92	1.70	2.09	4,233	3,931	5,025
OR.....	1,050	1,035	1,050	2.68	2.56	2.75	2,818	2,652	2,890
PA.....	1,980	1,960	1,930	2.57	2.33	2.44	5,093	4,564	4,709
RI.....	8	8	7	2.38	2.50	2.43	19	20	17
SC.....	235	240	235	2.00	2.10	2.40	470	504	564
SD.....	3,850	4,100	4,100	1.80	.95	1.05	6,920	3,910	4,290
TN.....	1,590	1,610	1,700	1.70	1.45	2.06	2,698	2,331	3,499
TX.....	3,240	3,200	3,910	2.45	1.67	2.45	7,930	5,350	9,582
UT.....	645	630	600	3.60	3.46	3.31	2,324	2,177	1,986
VT.....	388	375	365	2.07	1.91	2.07	802	715	754
VA.....	1,235	1,210	1,200	1.64	1.86	2.14	2,028	2,252	2,565
WA.....	730	800	780	3.60	3.54	3.61	2,626	2,833	2,814
WV.....	550	550	560	1.60	1.43	1.85	882	785	1,036
WI.....	3,450	3,780	3,600	2.65	1.31	2.24	9,140	4,925	8,080
WY.....	1,200	1,140	1,100	1.85	1.65	1.61	2,219	1,878	1,776
US.....	60,133	65,055	63,395	2.45	1.94	2.29	147,457	126,010	145,445

¹ Preliminary.

National Agricultural Statistics Service.

Table 368.—Hay: Area and production, by kinds, United States, 1975-89

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	1,000 acres	1,000 acres	1,000 acres	1,000 tons	1,000 tons	1,000 tons
1975.....	27,288	34,065	61,353	78,183	54,214	132,397
1976.....	26,674	33,703	60,377	69,960	50,165	120,125
1977.....	27,150	33,838	60,988	80,814	51,397	132,211
1978.....	27,864	34,249	62,113	87,294	56,523	143,817
1979.....	27,550	33,729	61,279	88,110	59,197	147,307
1980.....	26,174	32,696	58,870	79,963	50,777	130,740
1981.....	26,243	33,356	59,599	83,696	58,824	142,520
1982.....	26,188	33,624	59,812	88,385	60,856	149,241
1983.....	25,710	33,965	59,694	82,255	58,483	140,738
1984.....	26,818	34,596	61,414	90,144	60,438	150,582
1985.....	25,647	34,814	60,461	85,121	63,598	148,719
1986.....	26,911	35,423	62,334	91,865	63,520	155,385
1987.....	25,435	34,698	60,133	84,225	63,232	147,457
1988.....	26,750	38,305	65,055	69,304	56,706	126,010
1989 ¹	25,939	37,456	63,395	77,208	68,237	145,445

¹ Preliminary.

National Agricultural Statistics Service.

Table 369.—Pasture and range: Condition,¹ first of month, United States, 1975-89

Year	April ²	May	June	July	August	Septem- ber	October	Novem- ber	Decem- ber ²
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1975.....	³ 77 ⁴ 75	76	86	88	80	76	80	77	* 74
1976.....	³ 73 ⁴ 74	79	77	75	70	61	63	66	* 64
1977.....	³ 68 ⁴ 66	76	74	68	64	71	76	75	* 72
1978.....	³ 68 ⁴ 71	75	85	85	77	75	77	73	* 70
1979.....	³ 75 ⁴ 77	84	87	86	84	86	81	77	* 75
1980.....	³ 76 ⁴ 77	80	81	78	60	61	63	65	* 63
1981.....	³ 70 ⁴ 67	79	80	84	82	82	80	80	* 78
1982.....	³ 81 ⁴ 81	79	87	90	86	82	81	80	.....
1983.....	84	80	85	88	76	63	66	73	.....
1984.....	74	75	79	80	75	70	66	74	.....
1985.....	79	83	81	77	70	75	76	79	.....
1986.....		76	80	83	76	79	83	85	.....
1987.....		81	84	82	78	76	79	71	.....
1988.....		73	68	46	51	54	60	59	.....
1989.....		68	74	77	73	73	74	70	.....

¹ Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; and under 35, extreme drought. ² Excludes Connecticut, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New York, Pennsylvania, Rhode Island, Vermont, and Wisconsin. ³ 30 States (April only). April only discontinued after 1985. ⁴ 37 States (April and December only).

National Agricultural Statistics Service.

Table 370.—Seeding rates: Quantity of seed

State	Corn ¹	Winter wheat	Durum wheat	Other spring wheat	Oats	Barley	Rye
	<i>Kernels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>	<i>Bushels</i>
AL	19,100	1.8			2.9		
AZ	29,000	2.3	2.30			2.8	
AR	27,300	1.9			2.9		
CA	30,000	2.1	2.30		3.0	2.0	
CO	29,000	.65		1.60	2.0	1.5	0.65
CT	26,000						
DE	21,200	1.9				2.2	
FL	19,100	1.6					
GA	21,900	2.0			3.1		2.2
ID	29,500	1.3		1.60	2.6	1.9	
IL	24,100	1.7			2.5		1.5
IN	23,800	1.8			2.3		1.3
IA	23,900	1.6			2.9		
KS	23,600	1.0			2.1	1.3	1.2
KY	22,000	1.8			2.1	2.0	
LA	26,300	1.6					
ME	26,000				2.9		
MD	23,200	1.9			2.6	2.3	2.0
MA	26,000						
MI	23,200	2.3			2.6	2.1	1.7
MN	25,000	1.5	1.70	1.70	2.9	1.8	1.8
MS	19,800	1.7					
MO	20,900	1.7			2.3		
MT	29,000	.95	1.10	1.00	1.8	1.2	
NE	22,800	1.1			2.5	1.5	1.2
NV		1.6		1.9		2.3	
NH	26,000						
NJ	23,500	2.0			2.6	2.4	2.0
NM	28,900	.70				1.8	
NY	25,200	2.3			2.8		2.0
NC	22,600	1.8			2.7	2.1	1.5
ND	20,800	1.1	1.60	1.4	2.0	1.6	1.2
OH	25,500	2.1			2.6		1.9
OK	23,500	1.2			2.3	1.3	1.4
OR	30,000	1.3		1.6	2.9	1.7	
PA	22,700	2.2			2.8	2.3	2.1
RI	26,000						
SC	21,100	1.8			2.9	2.1	1.9
SD	17,800	1.1	1.60	1.4	2.6	1.7	1.2
TN	21,500	2.1					
TX	24,000	1.1			2.5	1.0	.90
UT	30,000	1.2		1.5	3.0	2.2	
VT	26,000						
VA	23,000	1.9			2.4	2.2	1.7
WA	31,000	1.1		1.4	2.7	1.6	
WV	23,400	1.9			2.5		
WI	23,600	1.8		1.8	2.9	2.0	1.6
WY	29,700	.80		1.2	2.2	2.0	
US	23,500	1.27	1.59	1.37	2.61	1.64	1.62

¹ Approximately 1,650 kernels per pound. ² Shelled basis (multiply by 1.33 to obtain unshelled basis).

³ Fuzzy, non-delinted equivalent basis. United States average is rate of seeding weighted by final 1989 area planted, by States except for winter wheat and rye which are weighted by preliminary 1990 area planted in 1989.

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used per acre for specified crops, by States

Flaxseed	Sorghum	Soybeans	Dry Beans	Sun-flowers	Rice	Potatoes (Irish)	Sweet-potatoes	Peanuts ²	Cotton ³
Pounds	Pounds	Bushels	Pounds	Seeds	Pounds	Cwt.	Cwt.	Pounds	Pounds
	18.0	0.80				15.1	4.0	98	23
						20.0			18
	8.3	.80			121.8				19
			63		155.0	21.0	5.0		23
	6.6		44			23.4			
						19.0			
		1.00				15.0			
		.85				25.7		98	22
	17.5	.80					7.7	105	24
			92			20.0			
	11.7	1.00				20.0			
		.97				19.0			
		.93				14.0			
	5.6	.90	54	20,000					20
	15.0	.95							
	11.1				130.0	8.0	10.0		18
						24.0			
		1.00				14.0	6.6		
						20.0			
		1.00	48			20.9			
45.0		1.00	60	23,200		18.0			
	9.1	.80			105.0		12.0		20
	7.8	.95			115.0				21
			60			21.0			
	5.8	.95	54			24.6			
						20.0			
		1.30				21.0	8.0		
	8.0					20.0		92	32
			83			23.4			
	13.0	.95				13.0	13.0	105	18
45.0		1.20	52	20,700		14.5			
		1.20				21.0			
	8.8	.80						83	25
						22.0			
		1.40				19.0			
						22.0			
	13.0	.70					12.0	86	14
50.0	7.4	.93		19,000		16.0			
	15.0	.80				11.0	13.0		21
	7.4	.90		16,000	105.0	12.7	13.0	74	31
			15			22.0			
		1.10				13.5	13.7	105	18
			83			23.0			
		1.30				18.0			
			70			21.0			
45.7	6.95	.96	58	20,323	124.59	19.9	10.7	97	26

Table 371.—Pasture and range: Condition,¹ June 1 and Sept. 1, by States, average 1978-87, annual 1988 and 1989

State	Condition June 1			Condition Sept. 1			State	Condition June 1			Condition Sept. 1		
	Average 1978-87	1988	1989	Average 1978-87	1988	1989		Average 1978-87	1988	1989	Average 1978-87	1988	1989
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent		Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
AL.....	78	58	85	74	63	85	NV.....	88	61	76	82	58	62
AZ.....	80	84	72	79	98	64	NH.....	92	92	88	85	95	93
AR.....	89	61	83	67	51	82	NJ.....	89	99	92	75	66	97
CA.....	89	69	81	85	64	75	NM.....	77	74	41	81	99	67
CO.....	84	80	48	80	68	71	NY.....	87	89	91	78	60	76
CT.....	90	89	90	79	70	96	NC.....	84	85	93	73	65	92
DE.....	86	92	85	70	63	75	ND.....	77	38	63	72	22	45
FL.....	68	60	55	84	89	84	OH.....	88	77	92	78	64	85
GA.....	72	66	73	69	59	86	OK.....	86	73	82	70	52	93
ID.....	89	64	81	83	35	72	OR.....	90	77	94	82	64	83
IL.....	88	72	84	75	43	76	PA.....	89	91	93	74	56	80
IN.....	90	66	90	78	52	90	RI.....	92	90	95	85	90	90
IA.....	88	56	60	79	27	54	SC.....	72	67	82	68	54	87
KS.....	88	76	54	75	58	76	SD.....	76	61	63	76	39	45
KY.....	88	76	94	77	71	95	TN.....	88	76	94	76	56	91
LA.....	80	72	83	77	79	82	TX.....	72	56	67	61	50	62
ME.....	91	96	91	81	85	84	UT.....	88	84	56	84	57	45
MD.....	87	96	93	70	57	73	VT.....	91	94	90	83	80	86
MA.....	92	91	93	84	80	93	VA.....	89	94	95	77	72	97
MI.....	87	68	82	79	62	84	WA.....	84	78	93	80	69	80
MN.....	83	64	83	81	37	54	WV.....	86	89	90	76	49	93
MS.....	83	52	90	76	60	87	WI.....	87	58	81	83	39	76
MO.....	86	59	71	69	53	84	WY.....	87	80	63	83	42	62
MT.....	78	58	87	74	29	89							
NE.....	87	80	42	80	64	47	US.....	83	68	74	75	54	73

¹ Numerical equivalent of condition: 80 and over, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; and under 35, extreme drought.

National Agricultural Statistics Service.

Table 372.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1981-90

Kind of seed	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Price per 100 pounds										
	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>
Alfalfa, uncertified varieties.....	172.00	153.00	163.00	156.00	149.00	170.00	173.00	181.00	180.00	157.00
Alfalfa, certified varieties.....	218.00	202.00	208.00	219.00	219.00	219.00	222.00	245.00	249.00	253.00
Red clover.....	117.00	126.00	160.00	145.00	121.00	133.00	160.00	143.00	143.00	145.00
Ladino clover.....	317.00	326.00	346.00	364.00	355.00	339.00	323.00	300.00	294.00	287.00
Lespedeza, Korean.....	82.00	75.10	72.10	85.70	115.00	85.00	68.00	67.50	67.30	62.80
Lespedeza, Striate, Kobe.....	104.00	96.00	103.00	137.00	109.00	78.50	82.00	83.50	82.60	88.40
Lespedeza, Sericea.....	128.00	115.00	91.10	198.00	210.00	193.00	233.00	275.00	167.00	134.00
Timothy.....	98.20	62.00	69.20	69.30	58.80	78.10	107.00	132.00	132.00	82.10
Orchardgrass.....	98.00	101.00	96.10	94.70	80.90	86.90	115.00	116.00	117.00	102.00
Blue Grass, Kentucky: Public and common.....	129.00	107.00	89.00	91.00	103.00	211.00	246.00	244.00	225.00	133.00
Proprietary, including Merion.....	177.00	184.00	150.00	143.00	147.00	230.00	273.00	283.00	275.00	209.00
Ryegrass, annual.....	37.80	37.20	39.20	39.00	37.30	36.10	45.10	47.90	54.30	50.50
Tall fescue.....	65.40	59.50	73.80	72.90	53.10	66.70	107.00	71.80	111.00	85.10
Sudangrass.....	40.70	45.10	45.00	42.40	43.50	44.70	44.20	42.00	45.30	47.70
Potatoes.....	11.00	8.10	6.90	8.76	8.06	6.62	7.95	7.12	10.60	11.00
Peanuts.....	80.00	58.00	60.50	71.60	61.30	66.70	84.10	74.20	74.30	75.70
Sunflower.....	181.00	200.00	211.00	254.00	257.00	258.00	281.00	266.00	277.00	308.00
Cottonseed.....	40.60	41.60	42.80	48.00	48.20	46.60	48.10	47.70	50.10	54.30
Grain sorghums, hybrid.....	49.40	61.50	65.30	64.20	66.10	67.40	63.60	65.70	69.50	69.90
Forage sorghums.....	32.30									
Price per bushel										
	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>	<i>Dol-</i> <i>lars</i>
Corn, hybrid ¹	60.00	63.70	64.60	70.20	71.80	¹ 65.60	64.90	64.20	71.40	69.90
Wheat (spring).....	7.22	6.89	6.69	6.37	6.10	5.94	5.56	5.89	6.71	6.05
Wheat (winter) ²								6.57	7.55	8.01
Oats (spring).....	4.42	4.51	4.37	4.52	4.18	3.63	3.99	4.37	5.89	4.19
Barley (spring).....	5.95	5.60	5.22	5.31	5.10	4.82	4.47	4.58	5.91	5.25
Soybeans for seed.....	14.00	10.70	10.10	13.40	11.90	10.80	11.30	11.90	14.70	12.50
Flaxseed.....	12.90	11.20	9.24	9.82	9.80	8.37	6.11	6.61	11.40	11.00

¹ Price per 80,000 kernels. ² Surveyed in Sept., prior to 1986.

National Agricultural Statistics Service.

Table 373.—Beans, dry edible: Area, yield, production, disposition, and value, United States, 1975-89 ^{1 2}

Year	Area planted	Area harvested	Yield per harvested acre ³	Production ³	Used on farms where produced	Sold	Marketing year average price per 100 pounds received by farmers	Value of production
	1,000 acres	1,000 acres	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars	1,000 dollars
1975.....	1,514.2	1,466.1	1,190	17,442	152	17,290	20.10	350,988
1976.....	1,531.8	1,489.3	1,198	17,836	149	17,687	15.50	276,876
1977.....	1,402.7	1,269.9	1,304	16,555	136	16,419	20.20	333,821
1978.....	1,503.9	1,454.4	1,302	18,935	134	18,801	17.30	327,512
1979.....	1,427.0	1,387.7	1,481	20,552	(*)	(*)	22.80	468,098
1980.....	1,920.0	1,859.0	1,438	26,729	(*)	(*)	27.60	737,447
1981.....	2,390.0	2,270.0	1,443	32,751	(*)	(*)	21.00	688,471
1982.....	1,924.5	1,777.0	1,439	25,563	(*)	(*)	14.20	363,809
1983.....	1,180.0	1,138.7	1,363	15,520	(*)	(*)	22.40	347,867
1984.....	1,501.0	1,460.3	1,443	21,070	(*)	(*)	18.70	394,969
1985.....	1,569.9	1,481.4	1,505	22,298	(*)	(*)	17.60	389,376
1986.....	1,653.8	1,495.0	1,536	22,960	(*)	(*)	19.10	436,254
1987.....	1,782.6	1,665.4	1,563	26,031	(*)	(*)	16.50	428,350
1988.....	1,485.4	1,353.0	1,423	19,253	(*)	(*)	29.80	575,148
1989 ⁵	1,857.6	1,689.9	1,440	24,333	(*)	(*)	27.90	680,052

¹ Figures include principal producing States only.² Excludes beans grown for garden seed.³ Cleaned basis.⁴ Estimates discontinued.⁵ Preliminary.

National Agricultural Statistics Service.

Table 374.—Beans, dry edible (cleaned basis): Production, by classes, United States, 1987-89 ¹

Class	1987	1988	1989 ²	Class	1987	1988	1989 ²
	1,000 cwt.	1,000 cwt.	1,000 cwt.		1,000 cwt.	1,000 cwt.	1,000 cwt.
Peas (navy).....	7,199	3,379	4,982	Black turtle soup.....	221	100	486
Great northern.....	2,479	2,857	2,122	Large lima (CA).....	435	574	611
Small white.....	601	491	375	Baby lima (CA).....	485	673	742
Pinto.....	9,560	7,199	9,486	Blackeye (CA).....	1,110	843	792
Red kidney.....	1,768	1,120	1,692	Garbanzo.....	92	48	35
Pink.....	829	612	1,239	Other.....	656	685	918
Small red.....	394	562	699	Total.....	26,031	19,253	24,333
Cranberry.....	205	110	154				

¹ Excludes beans grown for garden seed.² Preliminary.

National Agricultural Statistics Service.

Table 375.—Beans, dry edible: Area, yield, and production, by States, 1987-89 ¹

State	Area planted			Area harvested			Yield per harvested acre (cleaned basis)			Production (cleaned basis)		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 cwt.	1,000 cwt.	1,000 cwt.
CA	172.0	151.0	188.0	168.0	147.0	184.0	1,868	1,963	1,867	3,138	2,885	3,436
CO	185.0	160.0	195.0	180.0	155.0	185.0	1,490	1,650	1,680	2,682	2,558	3,108
ID	152.0	120.0	170.0	148.0	119.0	168.0	1,900	1,890	2,050	2,812	2,249	3,444
KS	26.0	21.0	24.0	25.0	20.0	21.0	1,450	1,550	1,550	363	310	326
MI	450.0	245.0	330.0	395.0	170.0	300.0	1,300	1,260	1,500	5,135	2,142	4,500
MN	75.0	65.0	82.0	74.0	60.0	70.0	1,600	800	1,300	1,184	480	910
MT	5.8	4.4	6.0	5.7	4.0	5.9	2,190	1,900	2,200	125	76	130
NE	230.0	200.0	220.0	197.0	193.0	208.0	1,780	1,950	1,680	3,507	3,764	3,494
NM	13.0	14.5	15.0	13.0	14.5	14.0	1,930	2,200	2,000	251	319	280
NY	29.0	27.0	32.0	28.0	25.0	31.0	1,500	1,300	1,450	420	325	450
ND	370.0	400.0	500.0	359.0	370.0	410.0	1,400	730	600	5,026	2,701	2,460
UT	6.8	4.5	5.6	6.7	4.5	5.0	700	580	300	47	26	15
WA	36.0	37.0	44.0	35.0	36.0	43.0	2,130	2,060	2,160	746	742	929
WY	32.0	36.0	46.0	31.0	35.0	45.0	1,920	1,930	1,890	595	676	851
US	1,782.6	1,485.4	1,857.6	1,665.4	1,353.0	1,689.9	1,563	1,423	1,440	26,031	19,253	24,333

¹ Excludes beans grown for garden seed. ² Preliminary.
National Agricultural Statistics Service.

Table 376.—Beans, dry edible (cleaned basis): Marketing year average price and value of production, by States, crop of 1987, 1988, and 1989 ¹

State	Marketing year average price per cwt.			Value of production		
	1987	1988	1989 ²	1987	1988	1989 ²
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CA	27.50	36.20	36.50	86,295	104,437	125,414
CO	14.60	31.20	28.10	39,157	79,810	87,335
ID	15.60	29.10	27.40	43,867	65,446	94,366
KS	15.40	32.60	26.10	5,590	10,106	8,509
MI	14.80	31.90	26.30	75,998	68,330	118,350
MN	15.90	29.00	25.40	18,826	13,920	23,114
MT	12.00	28.00	27.50	1,500	2,128	3,575
NE	17.10	26.50	25.60	59,970	99,746	89,446
NM	18.80	34.00	34.50	4,719	10,846	9,660
NY	15.10	30.30	30.60	6,342	9,848	13,770
ND	12.90	25.50	25.00	64,835	68,876	61,500
UT	15.30	33.20	29.00	719	863	435
WA	15.40	28.10	26.00	11,488	20,850	24,154
WY	15.20	29.50	24.00	9,044	19,942	20,424
US	16.50	29.80	27.90	428,350	575,148	680,052

¹ Excludes beans grown for garden seed. ² Preliminary.
National Agricultural Statistics Service.

Table 377.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1975-89

Year beginning September	F.o.b. California points				F.o.b. Northern Colorado points: Pinto	F.o.b. Western Nebraska points: Great northern	F.o.b. Southern Idaho points: Small reds	F.o.b. Michigan points: Pea bean (Navy)
	Baby lima	Large lima	Blackeye	Light red kidney				
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	17.71	32.68	21.77	23.81	17.85	21.15	19.95	28.11
1976.....	20.82	40.69	31.78	21.35	14.75	18.20	16.10	18.65
1977.....	20.41	31.45	23.00	37.92	23.25	23.80	22.55	22.10
1978.....	22.27	37.05	25.95	22.90	21.65	23.56	25.14	18.89
1979.....	21.13	43.58	24.22	31.22	31.76	27.25	33.06	22.74
1980.....	39.25	40.68	31.52	34.46	35.51	35.13	35.87	33.47
1981.....	26.78	36.92	31.17	31.39	17.82	26.62	21.04	31.88
1982.....	23.61	32.65	23.19	22.05	15.06	20.15	18.78	17.20
1983.....	26.60	51.07	30.33	38.47	21.84	23.47	22.28	26.49
1984.....	23.44	43.40	24.47	30.31	20.72	19.36	23.66	22.77
1985.....	20.38	23.40	22.84	26.80	22.09	27.02	23.24	18.56
1986.....	21.91	25.85	34.84	33.22	19.22	24.53	19.61	43.22
1987.....	38.75	41.16	25.46	26.18	20.22	23.07	22.68	20.93
1988.....	40.16	45.81	28.28	50.42	37.64	30.48	34.06	37.65
1989 ¹	33.11	43.05	31.07	42.85	39.82	32.46	32.85	31.25

¹ Preliminary.

Economic Research Service. Compiled from the Bean Market Summary (formerly Bean Market Review), Agricultural Marketing Service, U.S. Department of Agriculture, Denver, Colorado.

Table 378.—Beans, dry edible: United States exports to specified countries, 1985/86-1988/89 ^{1 2}

Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89	Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe—Continued				
Canada.....	9,605	5,998	8,469	8,757	Italy.....	14,845	7,064	7,676	5,124
Dominican Republic.....	7,129	11,309	10,553	9,610	Netherlands.....	12,138	5,846	8,572	25,478
French West Indies.....	1,076	1,195	802	428	Spain.....	2,040	2,021	3,339	6,221
Mexico.....	75,704	132,087	6,175	46,197	United Kingdom.....	55,217	89,420	61,774	76,175
Panama.....	5,680	1,439	2,714	1,402	Total.....	110,683	128,995	120,435	142,223
Trinidad and Tobago.....	1,784	1,979	1,395	1,207	Asia:				
Total.....	100,978	154,007	30,108	67,601	Israel.....	289	440	471	179
South America:					Japan.....	29,733	22,604	27,019	30,349
Brazil.....	1,486	44	0	6,246	Philippines.....	730	1,287	1,530	1,707
Colombia.....	10	32	3,130	411	Iraq.....	6,438	12,492	22,394	12,944
Venezuela.....	6,028	4,885	8,733	5,150	Algeria.....	20,474	10,172	29,084	21,579
Total.....	7,524	4,961	11,863	11,807	Total.....	57,664	46,995	80,498	66,758
Europe:					Oceania:				
Belgium and Luxembourg.....	8,210	3,428	5,068	5,489	Australia.....	2,452	3,027	3,745	3,518
France.....	13,928	16,965	27,707	16,136	Other countries.....				
Germany, Fed. Rep. of.....	4,305	4,251	6,299	7,600		10,964	66,389	99,933	46,190
					Grand total.....	290,265	411,276	346,582	338,097

¹ Marketing year beginning previous September.² Excluding seed bean exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 379.—Beans, dry edible: United States exports by class and quantity, 1975-89

Year ¹	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other ²	Seed	Total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975	66,181	43,731	2,564	83,918	9,659	73,878	6,270	286,201
1976	42,737	12,480	1,437	22,217	6,518	39,154	6,782	131,325
1977	32,822	41,178	1,707	29,893	11,424	66,627	6,282	189,933
1978	81,348	39,699	3,585	32,187	10,189	65,933	6,267	239,208
1979	65,225	48,385	4,651	43,746	17,365	69,229	5,715	254,316
1980	73,118	50,379	5,001	92,249	38,190	60,928	9,261	329,126
1981	100,870	64,204	6,227	316,616	25,911	137,959	13,506	665,293
1982	79,820	79,199	5,395	383,641	21,689	196,804	10,876	768,424
1983	88,789	68,844	4,488	14,301	20,535	78,355	8,894	284,206
1984	62,935	38,491	4,740	24,975	21,147	73,232	10,224	235,744
1985	62,633	55,022	3,368	65,107	13,268	57,100	14,764	271,262
1986	80,502	41,412	4,268	66,115	15,238	58,765	13,910	210,265
1987	89,886	57,239	3,491	155,138	19,330	67,032	19,160	411,276
1988	80,928	68,832	3,206	82,969	28,283	66,250	16,114	340,582
1989	72,179	76,580	3,826	70,446	21,616	81,313	12,137	338,097

¹ Marketing year beginning previous September. ² Includes other colored, black turtle, blackeye, and limas.
n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 380.—Peas, dry field: United States exports to specified countries, 1985/86-1988/89 ^{1 2}

Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89	Continent and country	1985/ 86	1986/ 87	1987/ 88	1988/ 89
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe—Continued				
Canada	777	1,978	1,544	2,843	Italy	917	692	685	714
Mexico	119	1,116	866	1,282	Netherlands	273	594	3,608	3,590
Panama	258	721	296	284	Norway	391	512	336	155
Trinidad and Tobago	951	446	312	581	Sweden	0	0	79	46
Total	2,105	4,261	3,018	4,990	Switzerland	35	14	177	0
South America:					United Kingdom	2,461	2,767	5,917	4,979
Brazil	5,758	7,089	1,161	0	Spain	908	1,136	1,370	1,410
Colombia	12,915	15,730	11,679	11,238	Total	5,711	6,411	12,930	11,445
Peru	7,750	5,731	7,184	5,429	Asia:				
Venezuela	11,753	8,394	13,428	5,736	Hong Kong	398	407	299	282
Total	38,176	36,944	33,452	22,403	Israel	178	340	427	351
Europe:					Japan	6,146	6,609	6,952	4,811
Belgium and Luxembourg	461	53	111	54	Philippines	1,476	2,356	2,890	10,526
Germany, Fed. Rep. of	26	474	541	396	India	18,970	20,264	31,093	34,613
Iceland	239	222	220	155	Total	27,168	29,976	41,661	50,583
					Other countries	28,762	14,026	26,459	24,487
					Grand total	101,922	92,092	117,520	113,908

¹ Marketing year beginning previous September. ² Excluding seed pea exports.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 381.—Hops: Marketing year average price and value of production, by States, crop of 1987, 1988, and 1989

State	Marketing year average price per pound			Value of production		
	1987	1988	1989 ¹	1987	1988	1989 ¹
	Dollars	Dollars	Dollars	1,000 dollars	1,000 dollars	1,000 dollars
CA ²						
ID.....	274.0	109.0	126.0	10,549	4,273	5,154
OR.....	178.0	164.0	158.0	15,664	18,081	18,737
WA.....	132.0	136.0	133.0	49,365	54,062	57,691
Total.....	151.0	140.0	138.0	75,578	76,416	81,582

¹ Preliminary. ² Data combined with Washington to avoid disclosure of individual operations.
National Agricultural Statistics Service.

Table 382.—Hops: Area, yield, and production, by States, 1987-89

State	Area harvested			Yield per acre			Production		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 acres	1,000 acres	1,000 acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
CA ²									
ID.....	2,200	2,800	2,800	1,750	1,400	1,461	3,850.0	3,920.0	4,090.6
OR.....	6,000	7,500	7,412	1,470	1,470	1,600	8,800.0	11,025.0	11,859.0
WA.....	20,100	23,100	24,336	1,860	1,721	1,782	37,398.0	39,751.0	43,376.8
US.....	28,300	33,400	34,548	1,770	1,638	1,717	50,048.0	54,696.0	59,326.4

¹ Preliminary. ² Data combined with Washington to avoid disclosure of individual operations.
National Agricultural Statistics Service.

Table 383.—Hops: Area, yield, production, farm disposition, value, and Sept. 1 stocks, United States, 1975-89

Year	Area harvested	Yield per acre	Production ¹	Sales	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1
	1,000 acres	Pounds	1,000 pounds	1,000 pounds	Cents	1,000 dollars	1,000 pounds
1975.....	32.1	1,742	55,913	55,737	83.0	46,419	42,170
1976.....	30.9	1,870	57,774	57,774	84.8	48,982	50,400
1977.....	30.5	1,796	54,777	54,777	89.6	49,095	50,480
1978.....	30.9	1,782	55,071	54,856	90.1	49,599	47,540
1979.....	31.8	1,727	54,929	54,929	97.6	53,614	38,290
1980.....	37.1	2,037	75,560	(²)	151.0	114,194	32,800
1981.....	43.1	1,836	79,144	(²)	151.0	119,220	34,430
1982.....	39.6	1,980	78,558	(²)	174.0	136,584	47,030
1983.....	36.9	1,850	68,111	(²)	193.0	131,483	61,080
1984.....	30.8	1,820	56,167	(²)	210.0	117,701	68,096
1985.....	28.1	1,770	49,713	(²)	203.0	101,046	70,460
1986.....	25.0	1,960	48,962	(²)	178.0	87,257	70,950
1987.....	28.3	1,770	50,048	(²)	151.0	75,578	70,630
1988.....	33.4	1,638	54,696	(²)	140.0	76,416	60,000
1989.....	34.5	1,717	59,326	(²)	138.0	81,582	51,700

¹ Includes the following quantities not marketed because of economic conditions, fire losses, and/or provisions under terms of a marketing agreement (1,000 pounds): 176 in 1975; 215 in 1978; 888 in 1980; 90 in 1981; 5 in 1982; 1,020 in 1983; 10 in 1984; and 40 in 1985. ² Series discontinued. ³ Preliminary.

National Agricultural Statistics Service.

Table 384.—Hops: United States exports by country of destination and imports by country of origin, 1986/87–1988/89

Item and country	Year beginning September			Item and country	Year beginning September		
	1986/ 87	1987/ 88	1988/ 89		1986/ 87	1987/ 88	1988/ 89
EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	EXPORTS	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Europe:				Other countries:			
Belgium/Luxembourg.....	60	49	105	Canada.....	721	1,082	3,700
Germany, Fed. Rep. of.....	115	624	1,680	Japan.....	484	290	149
Ireland.....	127	119	149	Nigeria.....	111	121	169
United Kingdom.....	158	190	278	South Africa.....	89	25	68
Other countries.....	144	217	325	Other countries.....	278	514	762
Total.....	604	1,199	2,537	Total.....	1,683	2,032	4,848
Latin America:				Grand total.....	6,264	8,099	12,693
Argentina.....	186	92	0	IMPORTS			
Brazil.....	1,776	2,891	2,904	Australia.....	0	3	3
Chile.....	43	89	63	Belgium/Luxembourg.....	11	0	11
Colombia.....	612	429	643	Canada.....	52	44	180
Guatemala.....	7	50	55	Czechoslovakia.....	2,430	531	345
Mexico.....	879	815	1,195	France.....	128	182	268
Peru.....	96	94	105	Germany, Fed. Rep. of.....	3,546	4,070	4,113
Uruguay.....	17	19	11	Poland.....	434	145	472
Venezuela.....	106	39	49	United Kingdom.....	2	4	3
Other countries.....	255	350	283	Yugoslavia.....	0	40	158
Total.....	3,977	4,868	5,308	Other countries.....	51	47	41
				Total.....	6,654	5,066	5,594

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

CHAPTER VII

STATISTICS OF CATTLE, HOGS, AND SHEEP

This chapter contains information about most kinds of farm livestock and livestock products, with the exception of dairy and poultry. The information relates to inventories, production, disposition, prices, and income for farm animals, and to livestock slaughter (including horse slaughter), meat production, and market statistics for meat animals.

Table 385.—All cattle and calves: Number and value, United States, Jan. 1, 1975-90

Year	Total number	Value		Year	Total number	Value	
		Per head	Total			Per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	132,028	159.00	20,999,808	1983.....	115,001	406.00	46,708,350
1976.....	127,980	190.00	24,334,959	1984.....	113,360	396.00	44,835,025
1977.....	122,810	206.00	25,249,390	1985.....	109,582	402.00	44,006,068
1978.....	116,375	232.00	27,030,385	1986.....	105,378	391.00	41,230,884
1979.....	110,864	403.00	44,697,773	1987.....	102,118	407.00	41,567,085
1980.....	111,242	502.00	55,844,204	1988.....	99,622	523.00	52,147,608
1981.....	114,351	473.00	54,123,534	1989.....	99,180	607.00	60,234,219
1982.....	115,444	415.00	47,905,367	1990 ¹	99,337	641.00	63,627,207

¹ Preliminary.

National Agricultural Statistics Service.

Table 386.—All cattle and calves: Number, by classes, United States, Jan. 1, 1975-90

Year	All cattle and calves	Cows and heifers that have calved		500 pounds and over					Calves under 500 pounds
				Heifers			Steers	Bulls	
		Beef cows	Milk cows	Beef cow replacements	Milk cow replacements	Other			
	Thou-sands	Thou-sands	Thou-sands ^a	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands
1975.....	132,028	45,712	11,220	8,884	4,087	6,518	16,333	2,985	36,291
1976.....	127,980	43,901	11,071	7,192	3,956	7,391	17,094	2,845	34,531
1977.....	122,810	41,443	10,998	6,527	3,887	8,048	16,884	2,664	32,360
1978.....	116,375	38,738	10,896	5,858	3,886	7,949	16,868	2,538	29,643
1979.....	110,864	37,062	10,790	5,527	3,932	7,445	16,442	2,403	27,263
1980.....	111,242	37,107	10,758	5,942	4,159	7,132	16,049	2,492	27,603
1981.....	114,351	38,773	10,849	6,137	4,342	7,280	15,521	2,547	28,903
1982.....	115,444	39,230	10,986	6,607	4,547	7,190	15,497	2,611	28,777
1983.....	115,001	37,940	11,047	6,336	4,545	7,965	16,214	2,609	28,346
1984.....	113,700	37,494	11,109	6,183	4,532	7,851	16,371	2,549	27,611
1985.....	109,749	35,370	10,805	5,542	4,760	8,056	16,369	2,411	26,436
1986.....	105,468	33,633	11,177	5,149	4,761	8,090	15,967	2,261	24,431
1987.....	102,000	33,779	10,502	5,164	4,331	7,561	15,304	2,204	23,154
1988.....	99,622	33,183	10,311	5,249	4,122	7,869	15,704	2,175	21,008
1989.....	99,180	33,515	10,212	5,477	4,205	7,725	15,679	2,215	20,152
1990 ¹	99,337	33,705	10,149	5,474	4,291	8,093	16,067	2,211	19,348

¹ Preliminary.

National Agricultural Statistics Service.

Table 387.—All cattle and calves: Number and value, by States, Jan. 1, 1988-90

State	Number			Value					
	1988	1989	1990 ¹	Value per head			Total value		
				1988	1989	1990 ¹	1988	1989	1990 ¹
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>	<i>1,000</i> <i>dollars</i>
AL.....	1,750	1,800	1,780	405.00	480.00	510.00	708,750	864,000	907,800
AK.....	9.5	9.2	8.2	655.00	620.00	635.00	6,223	5,704	5,207
AZ.....	960	880	830	500.00	565.00	585.00	480,000	497,200	485,550
AR.....	1,850	1,750	1,750	430.00	495.00	505.00	795,500	866,250	883,750
CA.....	4,650	4,700	4,900	640.00	705.00	730.00	2,976,000	3,313,500	3,577,000
CO.....	2,800	2,850	2,900	565.00	710.00	745.00	1,582,000	2,023,500	2,160,500
CT.....	80	76	76	620.00	660.00	740.00	49,600	50,160	56,240
DE.....	31	31	31	625.00	655.00	700.00	19,375	20,305	21,700
FL.....	1,970	1,975	1,925	480.00	550.00	555.00	945,600	1,086,250	1,068,375
GA.....	1,520	1,500	1,450	445.00	510.00	535.00	676,400	765,000	775,750
HI.....	203	212	205	410.00	390.00	385.00	83,230	82,680	78,925
ID.....	1,600	1,650	1,660	570.00	600.00	640.00	912,000	990,000	1,062,400
IL.....	2,050	1,950	1,950	550.00	605.00	625.00	1,127,500	1,179,750	1,218,750
IN.....	1,360	1,290	1,300	500.00	580.00	610.00	680,000	748,200	793,000
IA.....	4,450	4,600	4,700	545.00	605.00	650.00	2,425,250	2,788,000	3,055,000
KS.....	5,650	5,650	5,700	475.00	645.00	690.00	2,683,750	3,644,250	3,933,000
KY.....	2,450	2,500	2,420	475.00	530.00	575.00	1,163,750	1,325,000	1,391,500
LA.....	1,125	1,075	1,100	455.00	505.00	540.00	511,875	542,875	594,000
ME.....	120	112	116	555.00	620.00	700.00	66,600	69,440	81,200
MD.....	320	328	315	660.00	680.00	755.00	211,200	223,040	237,825
MA.....	75	75	71	625.00	650.00	740.00	46,875	48,750	52,540
MI.....	1,225	1,225	1,225	610.00	625.00	705.00	747,250	765,625	863,625
MN.....	2,850	2,820	2,650	600.00	665.00	720.00	1,710,000	1,875,300	1,908,000
MS.....	1,350	1,390	1,390	425.00	485.00	510.00	573,750	674,150	708,900
MO.....	4,400	4,500	4,500	495.00	550.00	590.00	2,178,000	2,475,000	2,655,000
MT.....	2,450	2,450	2,350	595.00	645.00	680.00	1,457,750	1,580,250	1,598,000
NE.....	5,700	5,500	5,800	510.00	640.00	650.00	2,907,000	3,520,000	3,770,000
NV.....	530	520	570	505.00	545.00	560.00	267,650	283,400	319,200
NH.....	55	55	46	585.00	620.00	730.00	32,175	34,100	33,580
NJ.....	80	75	70	675.00	755.00	795.00	54,000	56,625	55,650
NM.....	1,320	1,350	1,380	480.00	605.00	620.00	633,600	816,750	855,600
NY.....	1,645	1,525	1,540	680.00	735.00	820.00	1,085,700	1,120,875	1,262,800
NC.....	825	850	900	455.00	495.00	540.00	375,375	420,750	486,000
ND.....	1,800	1,600	1,750	595.00	650.00	670.00	1,071,000	1,040,000	1,172,500
OH.....	1,820	1,760	1,680	540.00	620.00	655.00	982,800	1,091,200	1,100,400
OK.....	5,000	5,150	5,300	445.00	545.00	560.00	2,225,000	2,806,750	2,968,000
OR.....	1,360	1,390	1,400	540.00	590.00	605.00	734,400	820,100	847,000
PA.....	1,890	1,900	1,890	670.00	690.00	745.00	1,266,300	1,311,000	1,408,050
RI.....	8.0	7.0	7.0	585.00	620.00	680.00	4,680	4,340	4,760
SC.....	620	610	590	440.00	465.00	500.00	272,800	283,650	295,000
SD.....	3,600	3,480	3,380	555.00	630.00	650.00	1,998,000	2,192,400	2,197,000
TN.....	2,300	2,300	2,325	460.00	515.00	535.00	1,058,000	1,184,500	1,243,875
TX.....	13,600	13,600	13,400	470.00	605.00	625.00	6,392,000	8,228,000	8,375,000
UT.....	800	830	800	540.00	645.00	700.00	432,000	535,350	560,000
VT.....	300	300	297	640.00	700.00	815.00	192,000	210,000	242,055
VA.....	1,700	1,670	1,700	470.00	520.00	545.00	799,000	868,400	926,500
WA.....	1,290	1,300	1,330	610.00	665.00	690.00	786,900	864,500	917,700
WV.....	490	500	490	435.00	495.00	535.00	213,150	247,500	262,150
WI.....	4,230	4,130	4,170	655.00	705.00	795.00	2,770,650	2,911,650	3,315,150
WY.....	1,360	1,380	1,220	570.00	640.00	685.00	775,200	883,200	835,700
US.....	99,622	99,180	99,337	523.00	607.00	641.00	52,147,608	60,234,219	63,627,207

¹ Preliminary.

National Agricultural Statistics Service.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1989 and 1990

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹
	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands	Thous- ands
AL.....	895	890	45	40	142	140	14	14	54	56
AK.....	2.5	2.6	1.9	1.4	6	6	6	3	1	1
AZ.....	263	259	92	91	49	48	20	20	12	11
AR.....	932	922	68	69	145	145	25	24	45	42
CA.....	927	955	1,095	1,115	150	155	485	550	190	195
CO.....	805	774	75	76	145	140	30	30	615	600
CT.....	7	7	35	34	1	2	14	14	1	1
DE.....	3	2	9	9	1	1	3	2	2	1
FL.....	1,118	1,083	182	182	130	120	40	35	10	15
GA.....	700	671	104	109	105	103	40	42	50	45
HI.....	81	75	12	11	14	16	4	6	18	17
ID.....	530	530	170	170	100	100	70	85	140	140
IL.....	520	555	200	195	75	60	80	65	320	300
IN.....	363	380	167	160	45	51	80	70	115	115
IA.....	1,210	1,202	310	308	180	145	125	135	620	645
KS.....	1,384	1,390	99	98	192	194	40	40	892	963
KY.....	1,063	1,040	212	210	151	160	80	85	104	85
LA.....	582	625	88	85	96	92	25	25	19	18
ME.....	12	16	44	43	3	5	20	17	3	2
MD.....	60	56	109	106	17	15	43	40	7	6
MA.....	11	11	30	31	3	3	10	9	2	1
MI.....	125	131	345	344	33	34	157	154	40	32
MN.....	365	360	770	715	68	65	350	335	207	195
MS.....	712	717	68	63	129	124	26	21	25	26
MO.....	1,997	1,979	233	226	285	330	90	105	210	225
MT.....	1,380	1,368	25	24	293	335	7	7	150	167
NE.....	1,755	1,755	105	105	210	230	30	35	980	1,110
NV.....	245	290	19	20	44	50	8	8	12	16
NH.....	6	4	21	19	2	2	10	8	0	0
NJ.....	11	10	30	26	2	2	12	12	2	1
NM.....	578	610	63	67	110	101	16	19	64	60
NY.....	79	75	780	790	24	24	302	319	29	37
NC.....	343	366	107	104	63	66	37	38	19	19
ND.....	832	912	88	88	130	135	21	25	97	144
OH.....	385	380	353	354	70	68	181	165	99	83
OK.....	1,849	1,900	101	100	250	265	35	30	510	575
OR.....	573	592	94	98	110	112	44	45	84	84
PA.....	196	196	719	694	39	42	290	295	51	48
RI.....	1.1	1.3	2.4	2.2	3	3	1.3	1.3	0	0
SC.....	288	278	39	37	49	51	15	16	18	17
SD.....	1,506	1,505	144	140	230	210	38	37	358	416
TN.....	1,042	1,020	198	195	150	171	80	75	45	54
TX.....	5,320	5,310	320	390	970	890	120	120	1,100	1,090
UT.....	344	333	74	80	60	59	42	49	48	41
VT.....	14	14	170	167	3	3	53	56	3	1
VA.....	661	699	144	141	100	110	80	83	60	57
WA.....	359	379	216	221	83	82	104	102	105	117
WV.....	245	245	26	25	35	45	10	10	25	22
WI.....	150	180	1,740	1,760	30	32	795	810	57	100
WY.....	685	650	10	10	160	140	2	2	108	98
US.....	33,515	33,705	10,212	10,149	5,477	5,474	4,205	4,291	7,725	8,093

See footnotes at end of table.

Table 388.—Cattle and calves, Jan. 1: Number, by sex and weight classes, by States, 1989 and 1990—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	95	100	60	60	495	480
AK.....	.5	.5	1.1	1.2	1.9	1.5
AZ.....	262	215	26	24	156	162
AR.....	80	79	55	54	400	415
CA.....	805	810	65	70	983	1,050
CO.....	820	900	45	45	315	335
CT.....	2	2	1	1	15	15
DE.....	6	9	1	1	6	6
FL.....	20	30	72	65	403	395
GA.....	74	65	50	48	377	367
HI.....	21	26	5	5	57	49
ID.....	288	300	32	35	320	300
IL.....	350	350	35	35	370	410
IN.....	195	196	25	25	300	303
IA.....	1,095	1,195	80	80	980	990
KS.....	1,885	2,035	68	68	1,090	912
KY.....	200	180	73	70	617	590
LA.....	26	25	34	36	205	194
ME.....	5	5	2	2	23	26
MD.....	21	22	7	6	64	64
MA.....	5	3	2	2	12	11
MI.....	238	248	17	17	270	265
MN.....	420	400	40	40	600	540
MS.....	55	56	50	50	325	333
MO.....	440	475	110	110	1,135	1,050
MT.....	248	181	77	75	270	193
NE.....	1,400	1,580	85	85	935	900
NV.....	34	34	14	15	144	137
NH.....	2	2	1	1	13	10
NJ.....	5	4	2	2	11	13
NM.....	234	224	35	39	250	260
NY.....	32	25	17	17	262	253
NC.....	35	50	26	27	220	230
ND.....	157	200	45	46	230	200
OH.....	248	220	40	39	384	371
OK.....	1,105	1,170	105	110	1,195	1,150
OR.....	185	183	35	36	265	250
PA.....	194	210	31	32	380	373
RI.....	.4	.4	.1	.1	1.4	1.4
SC.....	36	33	22	21	143	137
SD.....	494	521	73	74	637	477
TN.....	125	115	60	65	600	630
TX.....	2,700	2,650	410	400	2,600	2,550
UT.....	102	90	23	20	137	128
VT.....	4	3	3	3	50	50
VA.....	180	159	40	41	405	410
WA.....	233	231	25	24	175	174
WV.....	52	45	17	16	90	82
WI.....	300	305	33	33	1,025	950
WY.....	165	125	40	40	210	155
US.....	15,679	16,067	2,215	2,211	20,152	19,348

¹ Preliminary.

National Agricultural Statistics Service.

Table 389.—Cattle and buffalo: Number in specified countries, 1988-90 ¹

Continent and country	1988	1989	1990 ²	Continent and country	1988	1989	1990 ²
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
North America:				Other Western			
Canada.....	10,863	11,016	11,201	Europe—Con.			
Mexico.....	35,378	34,999	31,931	Sweden.....	1,667	1,676	1,678
United States.....	99,622	99,180	99,337	Switzerland.....	1,808	1,850	1,848
Total.....	145,863	145,195	142,469	Total other Western			
South America:				Europe.....	7,495	7,446	7,451
Argentina.....	50,782	50,782	50,581	Bulgaria.....	1,673	1,638	1,623
Brazil.....	98,335	111,500	111,388	Czechoslovakia.....	5,044	5,075	5,129
Colombia.....	18,400	17,627	16,835	German Dem. Rep.....	5,721	5,710	5,720
Uruguay.....	10,306	10,548	9,443	Hungary.....	1,664	1,690	1,598
Venezuela.....	12,756	13,095	13,210	Poland.....	10,200	10,100	10,143
Total.....	190,579	203,552	201,457	Romania.....	7,182	7,170	7,167
Central America and				Yugoslavia.....	4,881	4,759	4,692
Caribbean:				Total Eastern			
Costa Rica.....	1,753	1,735	1,762	Europe.....	36,365	36,142	36,072
Dominican Rep.....	2,000	1,990	1,990	Soviet Union.....	120,592	119,580	118,300
El Salvador.....	1,101	1,162	1,176	Mid East:			
Guatemala.....	2,550	2,000	1,800	Israel.....	188	191	183
Honduras.....	2,880	2,940	3,000	Saudi Arabia.....	281	217	191
Panama.....	1,502	1,512	1,502	Turkey.....	14,000	13,400	12,000
Total.....	11,786	11,339	11,230	Total.....	14,469	13,808	12,374
Europe:				Africa:			
Belgium-Luxembourg....	3,159	3,174	3,277	Egypt.....	4,616	6,381	6,414
Denmark.....	2,323	7,226	2,232	South Africa.....	12,187	12,675	13,398
France.....	21,052	20,120	18,761	Total.....	16,803	19,056	19,812
Germany, Fed. Rep. of....	14,887	14,659	14,563	Asia:			
Greece.....	720	723	715	China.....	94,650	97,950	101,380
Ireland.....	5,580	5,637	5,899	India.....	264,860	269,200	272,300
Italy.....	8,898	8,843	8,853	Japan.....	4,667	4,682	4,760
Netherlands.....	4,546	4,606	4,731	Korea, Rep. of.....	2,386	2,039	2,051
Portugal.....	1,332	1,359	1,343	Philippines.....	4,590	4,524	4,394
Spain.....	5,094	5,200	5,300	Taiwan.....	172	176	179
United Kingdom.....	11,849	11,902	11,933	Total.....	371,325	378,571	385,064
Total EC.....	79,440	78,449	77,607	Oceania:			
Austria.....	2,586	2,541	2,562	Australia.....	23,469	23,938	24,564
Finland.....	1,434	1,379	1,365	New Zealand.....	7,999	8,057	7,721
				Total.....	31,468	31,995	32,285
				Total selected			
				countries.....	1,026,185	1,045,133	1,044,121

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 390.—Calf crop: Cows and heifers that have calved and calves born, by States, 1988 and 1989

State	Cows and heifers that have calved				Calves born	
	Jan. 1		July 1 ²		1988	1989 ¹
	1988	1989 ¹	1988	1989 ¹		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AL.....	940	930	.....	.....	810	800
AK.....	4.4	4.0	.....	.....	3.3	3.4
AZ.....	355	350	.....	.....	300	290
AR.....	1,000	991	.....	.....	860	850
CA.....	2,022	2,070	.....	.....	1,850	1,850
CO.....	880	850	.....	.....	815	825
CT.....	42	41	.....	.....	38	38
DE.....	12	11	.....	.....	11	9
FL.....	1,300	1,265	.....	.....	1,050	1,000
GA.....	804	780	.....	.....	710	670
HI.....	93	86	.....	.....	76	70
ID.....	700	700	.....	.....	660	660
IL.....	720	750	.....	.....	610	640
IN.....	530	540	.....	.....	455	460
IA.....	1,520	1,510	.....	.....	1,475	1,440
KS.....	1,483	1,488	.....	.....	1,420	1,400
KY.....	1,275	1,250	.....	.....	1,200	1,150
LA.....	670	710	.....	.....	560	580
ME.....	56	59	.....	.....	53	57
MD.....	169	162	.....	.....	160	155
MA.....	41	42	.....	.....	37	33
MI.....	470	475	.....	.....	450	440
MN.....	1,135	1,075	.....	.....	1,180	1,075
MS.....	780	780	.....	.....	690	690
MO.....	2,230	2,205	.....	.....	2,050	2,050
MT.....	1,405	1,392	.....	.....	1,350	1,350
NE.....	1,860	1,860	.....	.....	1,710	1,710
NV.....	264	310	.....	.....	235	255
NH.....	27	23	.....	.....	27	22
NJ.....	41	36	.....	.....	34	32
NM.....	641	677	.....	.....	520	560
NY.....	859	865	.....	.....	830	830
NC.....	450	470	.....	.....	415	440
ND.....	920	1,000	.....	.....	950	1,000
OH.....	738	734	.....	.....	685	645
OK.....	1,950	2,000	.....	.....	1,900	1,930
OR.....	667	690	.....	.....	625	650
PA.....	915	890	.....	.....	860	820
RI.....	3.5	3.5	.....	.....	3.6	3.5
SC.....	327	315	.....	.....	275	265
SD.....	1,650	1,645	.....	.....	1,650	1,670
TN.....	1,240	1,215	.....	.....	1,130	1,100
TX.....	5,700	5,700	.....	.....	5,200	5,000
UT.....	418	413	.....	.....	375	360
VT.....	184	181	.....	.....	180	169
VA.....	805	840	.....	.....	770	780
WA.....	575	600	.....	.....	530	520
WV.....	271	270	.....	.....	240	245
WI.....	1,890	1,940	.....	.....	1,910	1,900
WY.....	695	660	.....	.....	660	640
US.....	43,727	43,854	.....	.....	40,588	40,142

¹ Preliminary. ² Individual State estimates not available after July 1, 1981.

National Agricultural Statistics Service.

Table 391.—Cattle and calves: Number on feed, by States, by quarters, 1989 and 1990 ¹

State	1989				1990	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AZ	275	237	155	193	253	213
CA	485	390	400	495	490	390
CO	885	915	835	750	900	900
ID	238	218	214	212	200	195
IL	340	350	260	230	310	300
IA	920	940	765	720	980	1,020
KS	1,460	1,670	1,510	1,410	1,595	1,700
MN	310	330	275	210	300	330
NE	1,950	1,950	1,680	1,670	2,060	2,150
OK	305	315	290	295	325	320
SD	260	290	250	185	260	270
TX	2,070	2,150	1,890	1,720	2,100	2,110
WA	190	163	156	186	170	165
13 States	9,688	9,918	8,680	8,276	9,943	10,063
AL	40				30	
AR	12				10	
FL	15				20	
GA	15				13	
HI	23				16	
IN	230				235	
KY	25				20	
LA	9				9	
MD	12				12	
MI	210				220	
MS	12				8	
MO	95				90	
MT	90				80	
NV	29				28	
NJ	3				2	
NM	130				118	
NY	19				18	
NC	23				20	
ND	40				40	
OH	200				210	
OR	91				84	
PA	75				80	
SC	20				17	
TN	20				20	
UT	48				41	
VA	40				30	
WV	10				7	
WI	100				120	
WY	109				75	
Other States	7				10	
US	11,440				11,626	

¹ Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better. Data not available for all States in quarters where no figures are shown.

National Agricultural Statistics Service.

Table 392.—Cattle and calves: Number on feed, United States, Jan. 1, 1975-90 ¹

Year	Number	Year	Number	Year	Number	Year	Number
	<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>		<i>Thousands</i>
1975	10,170	1979	13,274	1983	12,051	1987	11,277
1976	12,941	1980	12,221	1984	11,594	1988	11,872
1977	12,580	1981	11,598	1985	12,453	1989	9,688
1978	13,472	1982	10,618	1986	11,731	1990 ²	9,943

¹ Cattle and calves on feed are animals for slaughter market being fed a full ration of grain or other concentrates and are expected to produce a carcass that will grade Select or better. ² Preliminary.

National Agricultural Statistics Service.

Table 393.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 1975-89

Year	Calf crop ¹	Death loss		Marketings ²		Cattle shipped in for feeding and breeding ³	Farm slaughter Cattle and calves
		Cattle	Calves	Cattle	Calves		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1975.....	50,183	2,396	4,596	54,315	12,239	20,065	750
1976.....	47,384	1,821	3,369	55,394	12,485	21,238	722
1977.....	45,931	2,000	4,000	56,378	12,621	23,333	700
1978.....	43,818	1,940	3,860	54,737	11,938	23,695	550
1979.....	42,596	1,900	3,700	48,358	10,151	22,322	430
1980.....	44,938	1,795	3,618	46,026	10,502	20,513	401
1981.....	44,666	1,700	3,359	46,647	10,383	18,914	398
1982.....	44,200	1,843	3,586	49,549	10,560	21,289	395
1983.....	43,885	1,877	3,617	48,391	10,464	19,233	410
1984.....	42,470	1,873	3,591	50,686	10,246	20,535	388
1985.....	41,050	1,701	3,345	49,171	10,548	19,882	370
1986.....	41,182	1,714	3,278	49,931	10,406	21,235	349
1987.....	40,152	1,700	3,100	49,518	10,223	22,222	330
1988.....	40,588	1,650	3,000	47,949	10,211	22,061	280
1989 ⁴	40,142	1,546	2,925	46,360	10,522	21,608	240

Year	Quantity produced (live weight) ⁵	Value of production	Cash receipts from sales of cattle, calves, beef and veal ⁶	Value of cattle and calves slaughtered for home consumption	Gross income ⁷	Average price per 100 pounds received by farmers	
						Cattle	Calves
	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	40,900,606	12,804,719	17,520,176	458,250	17,978,426	32.20	27.20
1976.....	41,398,356	13,826,938	19,293,597	501,630	19,795,227	33.70	34.10
1977.....	40,744,829	13,977,695	20,225,347	482,340	20,707,687	34.40	36.90
1978.....	39,971,171	19,553,169	28,248,127	565,081	28,813,208	48.50	59.10
1979.....	38,803,335	26,246,763	35,024,950	693,892	35,718,842	66.10	88.70
1980.....	40,283,777	25,468,867	31,827,906	623,698	32,451,604	62.40	76.80
1981.....	41,178,209	23,682,144	29,537,848	600,885	30,138,733	58.60	64.00
1982.....	40,714,722	22,623,349	29,813,318	576,645	30,389,963	56.70	59.80
1983.....	40,356,342	22,047,169	28,864,375	554,512	29,418,887	55.50	61.70
1984.....	40,055,102	22,149,276	30,588,872	551,574	31,140,446	57.30	59.90
1985.....	40,120,920	21,184,833	29,002,301	483,255	29,485,556	53.70	62.10
1986.....	40,589,257	20,989,371	28,865,089	451,180	29,316,269	52.60	61.10
1987.....	40,502,303	24,765,784	33,583,325	473,706	34,057,031	61.10	78.50
1988.....	40,617,645	27,247,086	36,201,465	481,591	36,683,056	66.60	89.20
1989 ⁴	40,051,116	27,892,871	36,675,896	447,115	37,123,011	69.50	90.80

¹ Calves born during the year. ² Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ³ Includes cattle shipped in from other States and from central markets, but excludes cattle for immediate slaughter. ⁴ Preliminary. ⁵ Adjustments made for changes in inventory and for inshipments. ⁶ Receipts from marketings and sale of farm slaughter. ⁷ "Cash receipts from sales of cattle, calves, beef, and veal" plus "Value of cattle and calves slaughtered for home consumption."

National Agricultural Statistics Service.

Table 394.—Cattle: Average price per 100 pounds, by grades, at Omaha, 1975-89

Year	Steers ¹			Heifers ¹			Cows ²	
	Prime	Choice	Select	Prime	Choice	Select	Commercial	Utility
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1975.....		44.61	39.45		43.12	37.60	21.63	21.09
1976.....		39.11	35.87		37.98	34.10	26.08	25.31
1977.....		40.38	36.70		38.96	35.20	26.11	25.32
1978.....		52.34	47.98		50.30	46.11	37.80	36.78
1979.....		67.67	63.05		65.91	61.47	50.06	50.10
1980.....		67.05	62.16		64.90	61.22	44.91	45.72
1981.....		63.84	59.83		62.05	59.46	41.59	41.93
1982.....		64.22	59.47		62.79	59.82	40.35	39.96
1983.....		62.52	56.99		61.42	58.53	39.40	39.35
1984.....		65.34	59.14		64.59	61.18	40.75	39.81
1985.....		58.37	53.28		58.24	55.52	37.91	38.32
1986.....		57.74	53.04		57.56	54.76	36.96	37.22
1987.....		64.60	58.53		64.34	61.48	44.84	44.83
1988.....		69.58	67.06		68.16	65.35	45.80	47.94
1989.....		72.52	70.28		71.93	69.52	47.28	49.70

¹ 900 to 1,100 pound weight range; simple average of price range. ² All weights; simple average of price range.
Agricultural Marketing Service.

Table 395.—Cattle and calves: Receipts at selected public stockyards, 1975-89 ¹

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting ^{2 3}
Cattle									
	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands
1975.....	190	522	1,227	418	399	1,178	1,029	10,304	15,267
1976.....	123	384	1,089	424	323	1,112	946	9,538	13,939
1977.....	139	352	1,092	390	296	846	765	9,687	13,567
1978.....	108	313	829	358	252	754	707	8,271	11,592
1979.....	63	296	721	268	200	645	693	7,306	10,192
1980.....	50	207	746	258	196	603	566	7,103	9,729
1981.....	42	245	742	241	183	573	554	6,537	9,117
1982.....	(⁴)	245	612	241	185	549	425	6,707	8,964
1983.....		230	570	215	193	506	442	6,314	8,470
1984.....		223	474	198	179	461	373	6,532	8,440
1985.....		162	395	160	140	420	360	5,648	7,285
1986.....		164	320	153	140	391	230	5,430	6,829
1987.....		129	290	133	121	347	167	5,013	6,200
1988.....		97	230	107	108	336	150	4,886	5,914
1989.....		80	191	85	93	283	147	4,743	5,622
Calves									
	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands
1975.....	90	53	27	19	11	136		414	750
1976.....	81	32	24	13	8	156		419	733
1977.....	73	27	(⁵)	11	5	113		402	631
1978.....	54	45		9	5	85		126	324
1979.....	31	(⁶)		5	5	70		82	193
1980.....	44			7	5	59		67	182
1981.....	42			4	5	57		46	154
1982.....	(⁴)			3	10	53		67	133
1983.....				1	13	47		61	122
1984.....				1	10	42		80	133
1985.....				1	13	33		53	100
1986.....				1	13	27		31	72
1987.....					13	18		31	62
1988.....						14		42	56
1989.....						12		52	53

¹ Total rail and truck receipts unloaded at public stockyards. Saleable receipts 1978 on. ² Rounded totals of the complete figures. ³ The number of stockyards varies from 23 to 46. ⁴ Data no longer reported. ⁵ Cattle and calves combined in 1977. ⁶ Cattle and calves combined in 1979.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 396.—Cattle and calves: Number slaughtered, United States, 1975-89

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspect-ed	Other	Total ¹			Federal-ly inspect-ed	Other	Total ¹		
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
1975	36,904	4,008	40,911	553	41,464	3,894	1,316	5,209	197	5,406
1976	38,992	3,663	42,654	542	43,196	4,438	912	5,350	178	5,528
1977	38,717	3,139	41,856	525	42,381	4,696	821	5,517	175	5,692
1978	36,948	2,605	39,552	418	39,970	3,620	550	4,170	132	4,302
1979	31,504	2,174	33,678	330	34,008	2,499	325	2,824	100	2,924
1980	31,642	2,164	33,807	309	34,116	2,294	294	2,588	91	2,679
1981	32,819	2,135	34,953	312	35,265	2,478	320	2,798	86	2,884
1982	33,907	1,937	35,843	312	36,155	2,729	292	3,021	82	3,103
1983	34,816	1,833	36,649	325	36,974	2,798	279	3,077	85	3,162
1984	35,880	1,702	37,582	310	37,892	3,030	267	3,297	80	3,377
1985	34,765	1,528	36,293	300	36,593	3,168	217	3,385	70	3,455
1986	35,913	1,375	37,288	280	37,568	3,195	213	3,408	70	3,478
1987	34,468	1,179	35,647	243	35,890	2,680	135	2,815	87	2,902
1988	34,048	1,031	35,079	245	35,324	2,411	95	2,506	50	2,565
1989	33,010	907	33,917	189	34,106	2,100	73	2,172	51	2,223

¹ Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 397.—Cattle and calves: Number slaughtered under Federal inspection, average live weight, and average cost to slaughters (live weight), 1975-89

Year	Cattle		Calves	
	Number slaughtered	Average live weight	Number slaughtered	Average live weight
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>
1975	36,904	1,009	3,894	227
1976	38,992	1,030	4,438	223
1977	38,717	1,033	4,696	207
1978	36,948	1,043	3,620	206
1979	31,504	1,068	2,499	210
1980	31,642	1,080	2,294	214
1981	32,819	1,083	2,478	218
1982	33,907	1,071	2,729	208
1983	34,816	1,077	2,798	213
1984	35,880	1,072	3,030	225
1985	34,765	1,103	3,168	234
1986	35,913	1,105	3,195	239
1987	34,468	1,109	2,680	239
1988	34,048	1,124	2,411	251
1989	33,010	1,138	2,100	259

National Agricultural Statistics Service.

Table 398.—Cattle and calves: Production, disposition, cash receipts, and gross income, by States, 1989 (preliminary)

State	Marketings ¹		Cattle shipped in for feeding and breeding	Farm slaughter of cattle and calves ²	Quantity produced (live weight) ³	Value of production	Cash receipts from sales of cattle, calves, beef, and veal ⁴	Value of cattle and calves slaughtered for home consumption	Gross income ⁵
	Cattle	Calves							
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	511	328	80	2	635,430	432,684	471,140	6,174	477,314
AK.....	2,2	0	2	1,4	2,750	1,646	1,320	694	2,014
AZ.....	605	92	410	3	454,680	307,755	450,771	3,108	453,879
AR.....	682	260	184	5	641,960	437,556	485,681	6,141	491,822
CA.....	1,982	255	810	17	1,985,510	1,251,334	1,504,764	17,158	1,521,912
CO.....	2,595	20	2,050	3	1,724,340	1,257,889	2,232,584	7,225	2,239,809
CT.....	18	20	6	1	20,174	12,111	14,400	929	15,329
DE.....	4	2	0	1	6,510	4,185	2,476	1,709	4,185
FL.....	287	780	59	2	412,060	336,080	376,744	2,408	379,152
GA.....	371	340	52	3	368,290	244,620	281,130	4,666	285,796
HI.....	63	5	0	1	64,610	30,956	31,483	847	32,330
ID.....	832	114	385	4	810,060	526,340	661,075	7,642	668,717
IL.....	162	540	162	6	759,920	577,693	791,431	21,444	812,875
IN.....	434	148	195	4	331,685	210,974	302,646	10,159	312,804
IA.....	2,605	80	1,540	5	2,028,490	1,435,788	2,026,978	12,124	2,039,102
KS.....	4,557	1	3,346	2	2,988,230	2,191,468	3,752,524	10,256	3,762,780
KY.....	844	542	290	9	700,620	504,619	635,206	16,177	649,382
LA.....	150	340	2	3	301,930	219,762	200,295	6,802	207,097
ME.....	23	29	6	1	27,130	16,343	15,822	1,763	17,585
MD.....	89	67	7	2	106,520	70,130	76,234	4,634	80,868
MA.....	14	18	1	1	13,460	7,808	8,920	1,047	9,967
MI.....	346	156	50	3	436,655	262,090	283,253	10,224	273,507
MN.....	132	420	20	8	1,236,340	814,089	1,063,136	17,064	1,080,220
MO.....	335	30	137	2	371,450	256,352	258,648	6,201	264,849
MT.....	303	20	10	6	1,241,255	955,355	727,445	2,343	730,791
NE.....	1,193	235	137	6	874,558	674,558	783,811	8,169	778,728
NH.....	5,473	4,300	2	2	3,714,500	2,174,558	4,632,788	9,757	4,643,545
NJ.....	77	77	20	5	183,360	125,710	97,350	3,878	101,228
NM.....	18	10	1	1	15,985	7,129	10,975	1,146	12,121
NY.....	14,5	24	5	5	15,985	12,249	16,721	688	17,409
NC.....	1,200	250	970	6	668,730	440,676	749,452	5,361	754,813
ND.....	219	487	15	6	345,160	194,271	183,511	7,408	190,919
OH.....	189	163	105	2	275,560	175,283	148,416	11,377	159,793
OK.....	351	530	136	4	670,590	519,548	443,119	6,521	449,640
OR.....	168	52	52	4	498,736	339,452	394,335	21,235	415,570
RI.....	2,800	247	1,500	8	2,047,090	1,379,152	1,843,591	16,299	1,859,890
SC.....	442	183	90	20	512,985	330,838	344,161	18,697	362,858

See footnotes at end of table.

PA.....	500	325	100	12	595,890	382,761	410,629	20,296	430,915
RI.....	208	58	15	1	241,220	141,139	149,082	4,696	1183
SC.....	1,531	430	359	3	1,833,145	1,298,347	1,455,581	10,435	154,187
SD.....	629	370	59	5	651,870	425,423	433,384	10,435	1,466,045
TN.....	7,090	220	2,600	15	5,634,700	3,979,867	5,049,760	9,118	4,425,045
TX.....	316	115	85	4	334,375	233,837	287,077	32,157	5,081,917
UT.....	54	100	14	2	58,376	35,974	42,072	5,574	292,651
VA.....	525	140	14	2	646,900	438,291	414,905	3,208	45,280
WA.....	590	55	230	15	589,010	402,172	478,261	13,072	427,977
WV.....	166	95	30	4	157,345	107,892	115,898	13,045	491,306
WI.....	840	760	40	9	1,243,910	801,059	761,488	4,726	120,624
WY.....	920	197	360	2	486,370	348,227	601,039	18,663	780,151
US.....	46,360	10,522	21,608	240	40,051,116	27,892,871	36,675,896	3,642	604,681
								447,115	37,123,011

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments.
³ Adjustments made for changes in inventory and for inshipments. ⁴ Includes receipts from marketings and sales of farm-slaughtered meat.
⁵ Includes cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

National Agricultural Statistics Service.

Table 399.—Cattle and calves: Number slaughtered commercially, total and average live weight, by States, 1990 ¹

State	Cattle			Calves		
	Number slaughtered	Total live weight	Average live weight	Number slaughtered	Total live weight	Average live weight
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
AL.....	270.6	296,749	1,097		161	429
AZ.....	364.5	391,439	1,074			
AR.....	41.1	38,823	944	0.5	188	350
CA.....	1,158.4	1,361,926	1,176	112.4	23,981	213
CO.....	2,182.5	2,541,506	1,165			
DE and MD.....	46.3	54,344	1,174	32.3	12,351	383
FL.....	171.6	170,791	995	102.2	29,921	293
GA.....	193.7	183,869	949	15.4	5,239	339
HI.....	63.0	63,631	1,010			
ID.....	701.5	825,228	1,176			
IL.....	1,239.2	1,389,098	1,121	138.8	50,031	360
IN.....	124.6	132,507	1,064	173.4	68,640	396
IA.....	1,862.5	2,162,400	1,161			
KS.....	6,219.3	7,000,630	1,126			
KY.....	114.4	105,066	918	.4	101	259
LA.....	41.3	34,778	841	44.7	19,542	437
MI.....	402.5	513,570	1,276	63.2	22,899	362
MN.....	1,004.4	1,209,226	1,204	2.1	551	261
MS.....	127.7	121,372	950	18.8	6,519	347
MO.....	353.0	390,142	1,105	4.1	1,148	277
MT.....	16.2	16,177	997			
NE.....	5,813.4	6,698,342	1,152			
NV.....	1.8	1,841	1,010	3.6	1,862	519
N ENG ²	60.0	64,939	1,083	96.5	14,774	153
NJ.....	55.1	68,828	1,250	60.8	20,656	340
NM.....	120.5	122,898	1,020			
NY.....	101.3	113,055	1,116	394.2	60,043	152
NC.....	127.9	123,245	964	2.5	757	307
ND.....	193.5	237,560	1,228			
OH.....	295.2	330,559	1,120	112.0	19,693	176
OK.....	81.8	82,290	1,007	4.0	1,777	441
OR.....	62.1	68,041	1,096	10.7	3,455	324
PA.....	992.9	1,196,950	1,206	258.5	47,946	185
SC.....	108.4	121,493	1,120	6.2	3,195	512
SD.....	614.7	751,019	1,222			
TN.....	99.7	104,977	1,053	8.0	2,395	300
TX.....	5,858.8	6,281,736	1,072	122.1	46,530	381
UT.....	490.7	575,874	1,174	1.5	372	247
VA.....	69.1	75,030	1,086	1.8	533	290
WA.....	843.2	986,203	1,170	55.9	15,752	282
WV.....	16.6	16,371	987			
WI.....	1,206.0	1,435,560	1,190	317.0	92,825	293
WY.....	6.2	6,576	1,067			
US ³	33,917.2	38,466,658	1,134	2,172.3	574,913	265

¹ Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Totals may not add due to rounding. ² Data not shown to avoid disclosing individual operations, but are included in U.S. totals. ³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 400.—Cattle: Number slaughtered under Federal inspection, and percentage distribution, by classes, 1975-89

Year	Number					Percentage of total				
	Steers	Cows and heifers			Bulls and stags	Steers	Cows and heifers			Bulls and stags
		Cows	Heifers	Total			Cows	Heifers	Total	
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1975.....	16,071	10,420	9,419	19,839	994	43.6	28.2	25.5	53.7	2.7
1976.....	17,266	9,703	11,116	20,819	907	44.2	24.9	28.6	53.5	2.3
1977.....	17,892	9,128	10,866	19,994	832	46.2	23.6	28.1	51.7	2.1
1978.....	17,308	7,913	10,981	18,894	746	46.9	21.4	29.7	51.1	2.0
1979.....	16,258	5,546	9,112	14,658	586	51.6	17.6	28.9	46.5	1.9
1980.....	16,059	5,925	8,980	14,905	679	50.7	18.7	28.4	47.1	2.2
1981.....	16,437	6,238	9,416	15,654	728	50.1	19.0	28.7	47.7	2.2
1982.....	16,344	6,955	9,833	16,788	774	48.2	20.5	29.0	49.5	2.3
1983.....	16,613	7,215	10,221	17,436	768	47.7	20.7	29.4	50.1	2.2
1984.....	16,688	8,229	10,211	18,440	752	46.5	22.9	28.5	51.4	2.1
1985.....	16,201	7,076	10,763	17,839	725	46.5	20.4	31.0	51.4	2.1
1986.....	16,871	7,665	10,688	18,353	689	47.0	21.3	29.8	51.1	1.9
1987.....	16,867	6,388	10,545	16,933	668	49.0	18.5	30.6	49.1	1.9
1988.....	16,833	6,151	10,439	16,590	625	49.4	11.4	30.7	42.1	1.8
1989.....	16,094	6,146	10,128	16,274	642	48.7	18.1	30.7	48.0	1.9

National Agricultural Statistics Service.

Table 401.—Beef, dressed (carlots): Average wholesale price per 100 pounds, by grade and weight, 1975-89¹

Year	Steer beef		Heifer beef		Cow beef, all weights	
	Choice 700-800 lb.	Select 600-700 lb.	Choice 550-600 lb.	Select 550-600 lb.	Utility Breaking	Canner and Cutter
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	73.64	67.88	71.62	65.87	43.20	43.09
1976.....	60.96	58.24	59.75	56.81	49.36	52.00
1977 ²	62.66	58.21	60.94	56.20	45.51	51.55
1978.....	80.80	76.06	78.58	73.00	65.37	74.61
1979.....	101.72	97.32	100.00	95.49	85.64	100.48
1980.....	104.39	100.66	101.86	97.96	79.86	92.45
1981.....	99.85	96.85	97.48	94.55	75.47	84.06
1982.....	101.68	97.82	98.54	94.31	72.64	78.96
1983.....	97.87	93.50	94.45	91.03	70.48	78.48
1984.....	100.17	95.79	96.62	93.42	68.03	74.70
1985.....	90.68	87.50	88.48	84.67	64.86	74.13
1986.....	89.00	84.34	87.72	82.02	61.83	71.31
1987.....	97.24	91.78	96.21	90.65	70.21	83.70
1988.....	103.07	96.79	102.58	95.92	74.51	88.61
1989.....	107.78	101.95	.....	101.94	78.29	94.43

¹ Chicago prices through 1975, with 1975 reflecting only a Jan.-Sept. average. Midwest prices start with 1976.² Midwest prices; Chicago now included in Midwest Report.

Agricultural Marketing Service.

Table 402.—Hogs and pigs: Number and value, United States, Dec. 1, 1975-89

Year	Number	Value		Year	Number	Value	
		per head	Total			per head	Total
	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	49,267	80.40	3,959,360	1983.....	56,694	58.80	3,330,801
1976.....	54,934	47.00	2,582,568	1984.....	54,073	75.00	4,056,938
1977.....	56,539	63.20	3,575,279	1985.....	52,314	69.60	3,640,420
1978.....	60,356	83.20	5,023,454	1986.....	51,001	91.90	4,686,943
1979.....	67,318	56.00	3,772,812	1987.....	54,384	76.00	4,132,872
1980.....	64,462	74.70	4,815,218	1988.....	55,469	66.30	3,677,751
1981.....	58,698	70.10	4,114,350	1989 ¹	53,852	79.10	4,258,285
1982.....	54,534	89.90	4,903,494				

¹ Preliminary.

National Agricultural Statistics Service.

Table 403.—Hogs and pigs: Number and value, by States, Dec. 1, 1987-89

State	Number			Value					
	1987	1988	1989 ¹	Value per head			Total value		
				1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	345	345	300	70.00	60.50	80.00	24,150	20,873	24,000
AK.....	.5	.6	.7	161.50	167.00	185.50	81	100	130
AZ.....	130	130	100	93.50	75.00	88.00	12,155	9,750	8,800
AR.....	465	540	710	66.50	64.00	73.50	30,923	34,560	52,185
CA.....	140	130	140	92.50	89.00	96.50	12,950	11,570	13,510
CO.....	205	220	230	85.00	74.50	86.50	17,425	16,390	19,895
CT.....	6.5	6.8	6.2	87.00	87.50	94.50	566	595	586
DE.....	58	33	32	80.00	70.50	83.00	4,640	2,327	2,656
FL.....	150	140	140	73.00	70.00	87.50	10,950	9,800	12,250
GA.....	1,175	1,210	1,200	64.50	57.00	72.00	75,788	68,970	86,400
HI.....	47	43	39	127.50	127.50	133.50	5,993	5,483	5,207
ID.....	80	80	72	81.00	64.50	73.00	6,480	5,160	5,256
IL.....	5,400	5,600	5,700	78.50	65.50	79.50	423,900	366,800	453,150
IN.....	4,500	4,300	4,350	71.00	64.50	77.50	319,500	277,350	337,125
IA.....	13,900	14,000	13,500	78.50	65.50	80.00	1,091,150	917,000	1,080,000
KS.....	1,470	1,500	1,450	70.00	62.00	75.50	102,900	93,000	109,475
KY.....	900	1,090	975	67.00	63.00	70.50	60,300	68,670	68,738
LA.....	56	70	55	83.00	68.00	83.50	4,648	4,760	4,593
ME.....	9.5	9.3	9.3	88.50	87.50	82.50	841	814	767
MD.....	220	170	180	76.00	69.00	88.00	16,720	11,730	15,840
MA.....	33	31	33	86.00	81.00	75.50	2,838	2,511	2,492
MI.....	1,350	1,250	1,260	80.50	73.50	79.00	108,675	91,875	99,540
MN.....	4,500	4,690	4,450	74.50	67.50	79.50	335,250	316,575	353,775
MS.....	230	210	180	67.00	60.00	76.50	15,410	12,600	13,770
MO.....	3,000	2,850	2,700	70.50	63.50	75.00	211,500	180,975	202,500
MT.....	210	225	210	70.50	72.00	80.00	14,805	16,200	17,600
NE.....	4,050	4,150	4,200	78.00	70.50	83.00	315,900	292,575	348,600
NV.....	16	15	14	91.00	81.50	82.00	1,456	1,223	1,148
NH.....	9.0	9.1	8.7	89.50	90.50	87.50	806	824	761
NJ.....	40	33	30	78.00	73.00	82.50	3,120	2,409	2,475
NM.....	31	26	25	95.50	76.00	88.50	2,961	1,976	2,213
NY.....	124	151	124	87.50	70.00	80.00	10,850	10,570	9,920
NC.....	2,580	2,700	2,570	79.50	61.50	73.00	205,110	166,050	187,610
ND.....	325	340	280	78.00	66.50	79.50	25,350	22,610	22,260
OH.....	2,100	2,210	2,080	78.50	67.50	78.50	164,850	149,175	163,280
OK.....	200	240	230	77.50	67.50	79.00	15,500	16,200	18,170
OR.....	100	100	90	87.50	73.00	91.00	8,750	7,300	8,190
PA.....	900	970	975	75.50	70.50	81.00	67,950	68,385	78,975
RI.....	4.9	5.9	5.9	76.00	79.50	73.00	372	469	431
SC.....	400	450	430	71.50	70.00	80.50	28,600	31,500	34,615
SD.....	1,670	1,810	1,720	74.00	71.00	85.00	123,580	128,510	146,200
TN.....	820	1,000	700	79.50	66.50	80.50	65,190	66,500	56,350
TX.....	580	560	500	74.00	72.00	81.00	42,920	40,320	40,500
UT.....	30	33	27	80.50	69.50	76.50	2,415	2,294	2,066
VT.....	5.9	6.0	5.7	107.50	111.00	98.50	634	666	561
VA.....	380	400	450	71.00	64.00	74.50	26,980	25,600	33,525
WA.....	55	53	56	84.00	69.00	92.50	4,620	3,657	5,180
WV.....	36	37	32	88.00	81.50	79.50	3,168	3,016	2,544
WI.....	1,320	1,275	1,250	75.00	69.00	81.00	99,000	87,975	101,250
WY.....	27	21	16	83.50	72.00	76.50	2,255	1,512	1,224
US.....	54,384	55,469	53,852	76.00	66.30	79.10	4,132,872	3,677,751	4,258,285

¹ Preliminary.

National Agricultural Statistics Service.

Table 404.—Sows farrowing and pig crop: Number, United States, 1975-89

Year	Sows farrowing		Pig crop			Year	Sows farrowing		Pig crop		
	Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total		Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1975	4,973	4,952	35,530	35,656	71,186	1983	6,301	6,181	47,409	45,785	93,194
1976	5,777	5,850	42,177	42,218	84,395	1984	5,694	5,857	42,403	44,183	86,586
1977	6,050	6,009	42,960	43,202	86,162	1985	5,571	5,669	42,546	43,490	86,036
1978	6,034	6,398	42,481	46,081	88,512	1986	5,253	5,440	40,445	42,126	82,571
1979	7,176	7,322	50,551	52,241	102,792	1987	5,579	5,810	43,496	44,927	88,423
1980	7,229	6,855	52,288	49,432	101,720	1988	6,030	6,036	46,883	46,000	92,883
1981	6,440	6,268	47,605	46,248	93,853	1989 ¹	6,014	5,777	47,032	44,852	91,884
1982	5,664	5,884	41,575	43,614	85,189						

¹ Preliminary.

National Agricultural Statistics Service.

Table 405.—Hogs and pigs: Number for breeding and market, United States, 1975-89

Year	All hogs and pigs	Kept for breeding	Market hogs by weight groups					
			Under 60 pounds	60 to 119 pounds	120 to 179 pounds	180 to 219 pounds	220 pounds and over	Total
	June 1							
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1975.....	47,860	7,358	18,396	9,914	6,851	4,271	1,070	40,502
1976.....	53,930	8,388	21,798	11,160	7,205	4,365	1,014	45,542
1977.....	54,460	8,688	21,558	10,892	7,679	4,592	1,051	45,772
1978 ¹	55,240	8,857	20,934	11,309	8,013	5,016	1,111	46,383
1979.....	65,020	10,368	25,223	13,186	9,197	7,046		54,652
1980.....	65,255	9,481	25,002	13,550	9,781	7,441		55,774
1981.....	59,740	8,358	23,046	12,231	9,047	7,058		51,382
1982.....	52,260	7,414	19,074	10,999	8,267	6,506		44,846
1983.....	57,945	8,113	22,045	12,016	8,871	6,900		49,832
1984.....	52,815	7,401	19,377	11,387	8,111	6,539		45,414
1985.....	52,250	6,997	18,968	11,200	8,245	6,840		45,253
1986.....	48,875	6,435	17,645	10,580	8,000	6,215		42,440
1987.....	52,200	7,040	19,600	11,080	8,170	6,310		45,160
1988.....	56,185	7,530	20,888	11,985	8,780	7,002		48,655
1989 ²	55,880	7,330	20,682	12,085	8,780	7,003		48,550
	Dec. 1							
	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands	Thousands
1975.....	49,267	7,574	16,255	11,047	8,049	4,837	1,505	41,693
1976.....	54,934	8,011	18,714	12,307	8,932	5,292	1,678	46,923
1977.....	56,539	8,604	19,424	12,399	9,111	5,495	1,507	47,936
1978 ¹	60,356	9,605	21,244	13,086	9,443	6,979		50,751
1979.....	67,318	9,645	22,834	15,429	11,281	8,130		57,674
1980.....	64,462	9,118	22,131	13,977	10,996	8,240		55,344
1981.....	58,698	7,844	19,490	12,926	10,439	7,999		50,854
1982.....	54,534	7,475	18,830	11,942	9,375	6,912		47,059
1983.....	56,694	7,391	19,028	12,626	9,985	7,664		49,303
1984.....	54,073	6,945	18,069	12,008	9,607	7,444		47,128
1985.....	52,314	6,778	17,306	11,700	9,320	7,210		45,536
1986.....	51,001	6,691	16,786	11,246	9,113	7,164		44,309
1987.....	54,384	7,080	17,735	11,938	9,649	7,982		47,301
1988.....	55,469	7,054	18,011	12,394	10,025	7,984		48,414
1989 ²	53,852	6,868	17,195	12,185	9,680	7,923		46,983

¹ The 180-219 pounds and 220 pounds and over market hog weight groups combined into the 180 pounds and over weight group starting Dec. 1978. ² Preliminary.

National Agricultural Statistics Service.

Table 406.—Hogs: Number in specified countries, 1988-90 ¹

Continent and country	1988	1989	1990 ²	Continent and country	1988	1989	1990 ²
	Thou- sands	Thou- sands	Thou- sands		Thou- sands	Thou- sands	Thou- sands
North America:				Europe—Con.			
Canada.....	10,798	11,018	10,694	Bulgaria.....	4,034	4,134	4,140
Mexico.....	10,879	9,003	8,283	Czechoslovakia.....	7,235	7,484	7,498
United States ³	54,384	55,469	53,852	German Dem. Rep.....	12,503	12,464	12,152
Total.....	76,011	75,490	72,829	Hungary.....	8,216	8,327	7,660
South America:				Poland.....	19,373	20,169	18,685
Brazil.....	31,700	31,700	37,500	Romania.....	15,224	15,400	15,510
Colombia.....	2,458	2,500	2,525	Yugoslavia.....	8,324	7,396	7,230
Dominican Republic.....	285	263	278	Total Eastern Europe.....	74,909	75,374	72,875
Guatemala.....	1,120	1,110	1,120	Soviet Union.....	77,403	78,143	78,900
Venezuela.....	3,100	2,961	2,326	Asia:			
Total.....	38,663	38,534	43,749	China.....	327,730	342,220	352,000
Europe:				Japan.....	11,725	11,866	11,816
Belgium-Luxembourg.....	5,958	6,306	6,551	Korea, Rep. of.....	4,281	4,852	4,801
Denmark.....	9,048	9,105	9,120	Philippines.....	7,581	7,909	7,990
France.....	11,915	11,866	11,601	Taiwan.....	7,129	6,954	7,780
Germany, Fed. Rep. of.....	23,670	22,589	22,165	Total.....	358,446	373,801	384,387
Greece.....	1,269	1,114	820	Africa:			
Ireland.....	960	961	995	South Africa.....	1,512	1,589	1,687
Italy.....	9,383	9,360	9,261	Oceania:			
Netherlands.....	14,226	13,820	13,634	Australia.....	2,719	2,766	2,765
Portugal.....	2,450	2,326	2,247	New Zealand.....	426	414	380
Spain.....	16,941	16,100	18,910	Total.....	3,145	3,180	3,145
United Kingdom.....	7,915	7,628	7,383	Total selected countries.....	743,245	756,620	767,412
Total EC.....	103,735	101,175	100,687				
Austria.....	3,933	3,874	3,773				
Finland.....	1,291	1,327	1,348				
Sweden.....	2,274	2,264	2,175				
Switzerland.....	1,923	1,869	1,857				
Total other Western Europe.....	9,421	9,334	9,153				

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary. ³ 50 States.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 407.—Hogs: Number slaughtered, United States, 1975-89

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federally in- spected	Other	Total ¹				Federally in- spected	Other	Total ¹		
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands		Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
1975.....	64,926	3,761	68,687	1,193	69,880	1983.....	84,762	2,823	87,584	517	88,101
1976.....	70,454	3,330	73,784	1,181	74,965	1984.....	82,478	2,690	85,168	473	85,641
1977.....	74,019	3,285	77,303	1,144	78,447	1985.....	81,974	2,519	84,492	446	84,938
1978.....	74,139	3,176	77,315	1,086	78,401	1986.....	77,290	2,309	79,598	358	79,956
1979.....	85,425	3,674	89,099	1,070	90,169	1987.....	78,913	2,168	81,081	341	81,422
1980.....	91,882	4,192	96,074	1,100	97,174	1988.....	85,517	2,278	87,795	341	88,136
1981.....	87,851	3,724	91,575	895	92,470	1989.....	86,328	2,364	88,692	315	89,007
1982.....	79,328	2,861	82,190	655	82,845						

¹ Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 408.—Sows farrowing and pig crop: Number, by States, 1988 and 1989

State	Sows farrowing				Pig crop					
	1988		1989		1988			1989		
	Dec.-May	June-Nov.	Dec.-May	June-Nov. ¹	Dec.-May	June-Nov.	Total	Dec.-May	June-Nov. ¹	Total ¹
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
AL.....	43	35	32	29	305	259	564	241	227	468
AK.....			10	11						
AZ.....	14	13	14	10	113	101	214	114	83	197
AR.....	57	63	70	84	499	580	1,079	621	754	1,375
CA.....	18	16	15	16	133	119	252	112	120	232
CO.....	23	23	24	25	185	192	377	197	197	394
CT.....	60	60	50	40	48	46	94	34	29	63
DE.....	5.2	6.4	6.4	3.4	43	44	87	46	26	72
FL.....	21	21	20	19	145	144	289	147	149	296
GA.....	128	132	132	124	966	978	1,944	1,010	980	1,990
HI.....	4.5	4.6	4.2	4.4	29	33	62	27	31	58
ID.....	7.5	8.5	7.4	7.5	61	65	126	57	57	114
IL.....	670	640	625	610	5,188	4,734	9,922	4,787	4,637	9,424
IN.....	465	455	450	460	3,604	3,504	7,108	3,531	3,622	7,153
IA.....	1,495	1,480	1,470	1,390	11,628	11,064	22,692	11,548	10,706	22,254
KS.....	158	156	167	149	1,228	1,202	2,430	1,303	1,166	2,469
KY.....	114	126	122	114	840	958	1,798	935	849	1,784
LA.....	8.0	8.0	8.0	7.0	54	57	111	55	46	101
ME.....	1.1	1.2	1.1	1.1	6.1	8.2	14.3	8.6	8.8	17.4
MD.....	20	24	19	21	147	172	319	133	156	289
MA.....	2.6	3.0	2.8	3.1	16.7	20.6	37.3	19	22	41
MI.....	120	135	133	135	953	1,029	1,982	1,037	1,049	2,086
MN.....	490	510	505	500	3,962	4,009	7,971	4,071	3,950	8,021
MS.....	27	28	26	20	193	185	378	192	147	339
MO.....	360	335	335	315	2,714	2,487	5,201	2,500	2,355	4,855
MT.....	24	27	29	25	184	189	373	216	190	406
NE.....	420	425	455	440	3,337	3,337	6,674	3,582	3,410	6,992
NV.....	1.7	1.9	1.7	1.6	12.4	14.2	26.6	13.2	12.4	25.6
NH.....	70	90	60	70	5.0	6.8	11.8	4.5	4.7	9.2
NJ.....	2.5	1.5	1.5	1.7	13.1	10.6	23.7	10.9	13	23.9
NM.....	3.2	3.3	2.8	2.7	26	24	50	21	20.9	41.9
NY.....	13	18	13	13	103	136	239	94	105	199
NC.....	285	290	310	300	2,280	2,378	4,658	2,534	2,423	4,957
ND.....	36	39	29	28	273	292	565	221	216	437
OH.....	240	236	240	226	1,841	1,827	3,668	1,884	1,808	3,692
OK.....	25	24	23	24	170	170	340	171	177	348
OR.....	12	12	11	10	96	99	195	93	78	171
PA.....	72	81	85	86	605	668	1,273	697	703	1,400
RI.....	40	50	40	50	2.9	3.3	6.2	2.8	3.5	6.3
SC.....	39	49	52	46	273	353	626	372	338	710
SD.....	212	213	208	182	1,705	1,598	3,303	1,655	1,392	3,047
TN.....	105	117	100	86	799	879	1,678	770	658	1,428
TX.....	62	60	61	51	431	459	890	457	349	806
UT.....	2.9	3.0	2.8	2.3	22	24	46	20.4	17.9	38.3
VT.....	80	80	80	70	5.4	6.4	11.8	4.9	5.5	10.4
VA.....	54	43	45	50	403	332	735	353	395	748
WA.....	6.8	6.1	7.4	6.0	50	48	98	56	51	107
WV.....	3.1	3.7	3.5	3.3	19.6	26	45.6	25.1	24	49.1
WI.....	153	153	140	140	1,185	1,146	2,331	1,061	1,099	2,160
WY.....	3.2	3.1	2.3	2.0	23.2	23	46.2	17.4	16.6	34
US.....	6,030	6,036	6,014	5,777	46,883	46,000	92,883	47,032	44,852	91,884

¹ Preliminary.

National Agricultural Statistics Service.

Table 409.—Hogs: Production, disposition, cash receipts, and gross income, United States, 1975-89

Year	Market- ings ¹	Shipped in for feeding and breeding	Farm slaugh- ter ²	Quantity produced (live weight) ³	Value of produc- tion ⁴	Cash receipts from sales of hogs, pork, and lard ⁵	Value of hogs slaugh- tered for home consump- tion	Gross income ⁶	Average price per 100 pounds received by farmers
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars
1975.....	73,627	3,805	1,193	16,835,178	7,755,699	7,916,425	267,158	8,183,583	46.10
1976.....	75,747	4,191	1,181	18,160,337	7,856,375	7,487,676	268,802	7,756,478	43.30
1977.....	80,939	4,258	1,144	19,020,900	7,484,651	7,281,364	262,047	7,543,411	39.40
1978.....	81,271	4,714	1,086	19,466,200	9,065,998	8,753,229	285,238	9,038,467	46.60
1979.....	92,499	5,003	1,070	22,617,129	9,423,783	9,039,678	255,136	9,294,814	41.80
1980.....	100,651	4,668	1,100	23,401,728	8,863,535	8,942,539	214,930	9,157,469	38.00
1981.....	95,986	4,147	895	21,812,966	9,532,037	9,794,285	206,215	10,000,500	43.90
1982.....	86,972	3,827	655	19,657,921	10,297,021	10,658,841	178,109	10,836,950	52.30
1983.....	89,168	3,527	517	21,206,207	9,904,224	9,790,233	123,898	9,914,131	46.30
1984.....	87,344	3,527	473	20,199,620	9,512,023	9,701,349	115,087	9,816,436	47.10
1985.....	86,731	3,726	446	20,166,989	8,872,061	9,033,241	98,982	9,132,223	44.00
1986.....	82,895	3,502	358	19,461,055	9,577,527	9,734,409	89,477	9,823,886	49.30
1987.....	84,249	3,746	328	20,445,529	10,443,597	10,336,628	87,409	10,424,037	51.20
1988.....	90,334	3,642	337	21,669,557	9,145,473	9,206,540	76,911	9,283,451	42.30
1989 *.....	92,311	3,621	315	21,849,658	9,254,588	9,426,286	71,205	9,497,491	42.50

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughtered for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for insinements. ⁴ Includes allowance for higher average price of State insinements and outshipments of feeder pigs. ⁵ Receipts from marketings and sale of farm slaughter includes allowance for higher average price of State outshipments of feeder pigs. ⁶ Cash receipts from sale of hogs, pork, and lard plus value of hogs slaughtered for home consumption. ⁷ Data for 12-month period—December of previous year through November of current year. ⁸ Preliminary.

National Agricultural Statistics Service.

Table 410.—Hogs: Receipts at selected public stockyards and direct receipts at interior markets, 1975-89 ¹

Year	Receipts at selected public stockyards									Direct receipts in interior Iowa and South- ern Minne- sota ⁴
	Fort Worth	Kan- sas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others report- ing ²	Total mar- kets report- ing ^{2 3}	
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
1975.....	84	559	1,162	1,226	1,420	2,140	1,880	6,630	15,101	16,226
1976.....	77	497	1,102	1,327	1,547	2,423	1,975	7,064	16,012	18,190
1977.....	94	491	1,055	1,458	1,586	2,291	2,003	6,732	15,710	19,781
1978.....	72	445	1,039	1,479	949	1,603	1,543	5,625	12,758	20,194
1979.....	54	453	1,177	1,546	1,051	1,866	1,838	6,367	14,852	22,980
1980.....	72	415	1,101	1,525	994	1,728	1,677	5,993	13,505	24,686
1981.....	54	325	957	1,382	835	1,479	1,616	5,686	12,334	24,386
1982.....	(⁵)	821	1,141	740	1,125	1,406	1,392	4,538	10,150	21,499
1983.....		239	831	1,222	759	1,013	1,382	4,538	9,934	23,425
1984.....		203	837	1,065	669	960	1,230	4,175	9,139	23,116
1985.....		180	764	956	620	850	1,119	3,832	8,321	24,068
1986.....		160	667	967	560	738	940	3,330	7,361	21,983
1987.....		139	557	843	498	745	858	3,217	6,857	23,498
1988.....		121	562	800	477	800	827	3,100	6,687	24,626
1989.....		108	518	720	432	645	672	2,688	5,784	24,879

¹ Total rail and truck receipts. Saleable receipts 1978 on. ² Rounded total of complete figures. ³ The number of stockyards reporting varies from 41 to 68. ⁴ Covers receipts at 14 packing plants and 30 concentration yards. ⁵ Data no longer reported.

Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 411.—Hogs: Production, disposition, cash receipts, and gross income, by States, 1989 (preliminary)

State	Market- ings ¹	Shipped in for feeding and breeding	Farm slaugh- ter ²	Quantity produced (live weight) ³	Value of produc- tion ⁴	Cash receipts from sales of hogs, pork, and lard ⁵	Value of hogs slaugh- tered for home consump- tion	Gross income ⁶
	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	493	15	4	106,824	42,360	44,983	751	45,734
AK.....	0	0	1	256	159	37	112	149
AZ.....	222	6	1	40,870	17,849	19,865	214	20,079
AR.....	1,167	18	6	278,616	113,001	106,178	1,015	107,193
CA.....	224	32	15	37,061	17,485	17,423	2,159	19,582
CO.....	387	25	1	88,763	35,173	39,531	425	39,956
CT.....	6.4	0	.1	1,468	573	509	75	584
DE.....	72.9	5	.1	14,527	6,091	6,251	18	6,269
FL.....	276	2	1	49,250	19,217	19,010	153	19,163
GA.....	1,931	41	10	440,440	186,921	187,064	1,998	189,062
HI.....	56	0	2	10,188	7,834	7,911	332	8,243
ID.....	111	3	3	25,737	9,858	9,213	1,109	10,322
IL.....	9,158	268	14	2,324,372	986,050	984,086	6,083	990,169
IN.....	7,036	220	7	1,647,165	688,362	700,438	1,764	702,202
IA.....	22,539	1,000	15	5,543,845	2,379,234	2,420,996	4,841	2,425,837
KS.....	2,586	171	3	638,231	261,039	268,043	1,261	269,304
KY.....	1,853	53	11	419,880	181,628	186,070	2,658	188,728
LA.....	108	3	3	22,996	7,824	8,072	405	8,477
ME.....	15.9	0	1	5,222	2,037	1,467	546	2,013
MD.....	281	17	5	55,932	23,990	23,260	705	23,965
MA.....	35	0	1	6,797	2,651	2,601	137	2,738
MI.....	2,014	34	6	471,985	195,988	197,907	1,195	199,102
MN.....	8,095	235	16	1,806,898	788,689	810,352	5,645	815,997
MS.....	333	7	5	74,072	31,532	33,012	705	33,717
MO.....	4,786	20	9	1,078,222	460,134	474,581	2,671	477,252
MT.....	395	3	4	91,680	35,231	34,181	720	34,901
NE.....	7,048	410	4	1,657,438	707,415	723,211	1,655	724,866
NV.....	27.5	2.4	.2	5,520	1,800	1,909	31	1,940
NH.....	8	0	.7	1,948	760	637	137	774
NJ.....	42	20.1	2	3,275	862	1,527	256	1,783
NM.....	40	1.1	1	8,072	3,450	3,469	157	3,626
NY.....	207	2	6	44,263	17,502	16,895	1,036	17,931
NC.....	5,204	337	20	1,178,478	492,850	508,792	3,798	512,590
ND.....	473	20	4	83,562	32,944	36,397	655	37,052
OH.....	3,744	160	8	888,876	372,680	383,456	1,618	385,074
OK.....	422	88	4	89,360	36,910	40,373	1,418	41,791
OR.....	170	0	3	40,106	17,606	17,441	724	18,165
PA.....	1,395	90	20	323,345	140,518	141,315	3,069	144,384
RI.....	5.1	0	.3	1,137	444	398	28	426
SC.....	716	55	7	161,643	66,890	68,621	1,103	69,724
SD.....	3,051	44	5	771,315	327,555	335,233	1,865	337,098
TN.....	1,756	123	40	365,695	148,152	159,375	8,187	167,562
TX.....	860	41	4	228,459	90,709	94,258	895	95,153
UT.....	42.3	2	1.4	9,746	3,773	3,874	196	4,070
VT.....	9.4	0	.5	2,569	1,001	839	177	1,016
VA.....	641	27	19	160,568	64,402	60,246	3,208	63,454
WA.....	84	0	12	22,301	9,411	7,897	1,274	9,171
WV.....	52.1	5	4	15,245	6,168	5,905	741	6,646
WI.....	2,095	14	4	496,052	206,040	207,138	1,175	208,313
WY.....	37	1	1	9,388	3,886	4,039	105	4,144
US.....	92,311	3,621	315	21,849,658	9,254,588	9,426,286	71,205	9,497,491

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for inshipments. ⁴ Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. ⁵ Receipts from marketings and sale of farm-slaughter. Includes allowance for higher average price of State outshipments of feeder pigs. ⁶ Cash receipts from sales of hogs, pork, and lard plus value of hogs slaughtered for home consumption.

Table 412.—Hogs: Number slaughtered commercially, total and average live weight, by States, 1989 ¹

State	Number slaugh- tered	Total live weight	Average live weight	State	Number slaugh- tered	Total live weight	Average live weight
	<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Pounds</i>		<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
AL.....	203.7	82,514	405	NV.....	2.0	462	231
AZ.....	15.9	3,647	229	N ENG ²	48.8	11,132	228
AR.....	234.0	76,629	327	NJ.....	78.2	7,807	100
CA.....	2,158.7	482,752	224	NM.....	6.5	1,379	214
CO.....	35.3	8,261	234	NY.....	64.6	14,335	222
DE and MD.....	220.1	48,217	219	NC.....	2,978.9	697,834	234
FL.....	86.1	12,941	150	ND.....	77.8	16,479	212
GA.....	1,478.4	353,609	239	OH.....	3,093.0	757,070	249
HI.....	42.1	8,726	207	OK.....	144.9	46,696	322
ID.....	99.9	23,534	236	OR.....	177.1	42,968	243
IL.....	8,555.0	2,177,784	255	PA.....	1,981.9	461,009	233
IN.....	3,817.7	919,260	241	SC.....	666.8	155,657	233
IA.....	25,586.3	6,421,402	251	SD.....	3,710.7	998,057	269
KS.....	1,981.3	507,597	256	TN.....	1,997.8	555,508	278
KY.....	2,394.9	616,963	258	TX.....	867.0	235,234	271
LA.....	69.9	16,293	233	UT.....	271.1	65,284	241
MI.....	4,874.7	1,168,141	240	VA.....	4,460.4	1,064,406	239
MN.....	5,193.6	1,228,408	237	WA.....	18.4	4,191	228
MS.....	1,844.9	442,806	240	WV.....	22.3	8,238	370
MO.....	3,641.8	898,676	247	WI.....	344.1	134,187	390
MT.....	27.4	6,378	233	WY.....	7.3	1,848	253
NE.....	5,164.2	1,242,501	241	US.....	88,691.5	22,026,822	248

¹ Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Commercial slaughter not estimated in Alaska. ² Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 413.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected and commercial, 1975-89 ¹

Year	Federally inspected								Commercial			
	Barrows and gilts		Sows		Stags and boars		Total		All hogs and pigs			
	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight	Number head	Avg. dressed weight ²	Avg. live weight	Number head	Avg. dressed weight ²	Avg. live weight
	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	60,709		3,603		614		64,926	166	240	68,687	165	240
1976.....	66,512		3,399		548		70,454	167	238	73,784	166	238
1977.....	69,191	163	4,055	282	783	237	74,019	170	237	77,303	170	237
1978.....	69,539	164	3,870	290	730	239	74,139	171	240	77,315	171	240
1979.....	79,744	164	4,793	295	888	234	85,425	172	242	89,099	172	242
1980.....	85,653	164	5,161	292	1,068	213	91,882	172	242	96,074	172	242
1981.....	82,206	165	4,609	292	1,036	206	87,851	173	243	91,575	173	243
1982.....	74,411	166	3,959	292	958	202	79,328	173	243	82,190	173	243
1983.....	79,322	166	4,496	293	944	205	84,762	173	243	87,584	173	243
1984.....	77,295	167	4,254	290	929	216	82,478	174	244	85,168	173	243
1985.....	77,232	169	3,894	300	847	212	81,973	175	245	84,492	175	245
1986.....	72,905	170	3,633	303	752	217	77,290	177	246	79,598	177	246
1987.....	74,807	171	3,411	306	695	206	78,913	177	248	81,081	177	247
1988.....	80,766	173	3,961	304	790	213	85,517	179	249	87,795	178	249
1989.....	81,427	172	4,115	295	786	237	86,328	179	248	88,692	179	248

¹ All weights calculated using unrounded totals. Totals may not add due to rounding. ² 1974-76 shipper style, beginning 1977 packer style.

National Agricultural Statistics Service.

Table 414.—Hogs and corn: Hog-corn price ratio and average price received by farmers for corn, North Central States and United States, 1975-89

Year	Hog-corn price ratio ¹		Price of corn per bushel ²		Year	Hog-corn price ratio ¹		Price of corn per bushel ²	
	United States	North Central States	United States	North Central States		United States	North Central States	United States	North Central States
			Dollars	Dollars				Dollars	Dollars
1975.....	17.1	17.2	2.70	2.68	1983.....	15.8	16.7	2.99	2.97
1976.....	17.5	17.6	2.49	2.48	1984.....	15.4	15.4	3.05	3.08
1977.....	19.8	20.0	2.03	2.02	1985.....	17.6	17.8	2.49	2.47
1978.....	22.4	22.7	2.10	2.08	1986.....	26.1	(³)	1.96	(³)
1979.....	18.3	18.5	2.36	2.33	1987.....	33.6	(³)	1.56	(³)
1980.....	14.4	14.6	2.70	2.68	1988.....	19.3	(³)	2.27	(³)
1981.....	14.9	15.0	2.92	2.90	1989.....	17.3	(³)	2.43	(³)
1982.....	23.0	22.5	2.37	2.36					

¹ Number of bushels of corn required to buy 100 pounds of live hogs at local markets, based on average prices received by farmers for hogs and corn. Annual average is a simple average of monthly ratios, December through November. ² Average of entire month prices. ³ Series discontinued.

National Agricultural Statistics Service.

Table 415.—Hogs: Average weight and cost of packer and shipper purchases, by classes, at Omaha, and at 7 markets combined, 1975-89

Year	Omaha					Seven markets ¹				
	Barrows and gilts		Sows		Number of sows as percentage of all purchases	Barrows and gilts		Sows		Number of sows as percentage of all purchases
	Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.		Average live weight	Average cost per cwt.	Average live weight	Average cost per cwt.	
	Pounds	Dollars	Pounds	Dollars	Percent	Pounds	Dollars	Pounds	Dollars	Percent
1975.....	241	47.93	449	43.67	12	238	48.32	448	43.65	9
1976.....	240	42.60	457	36.09	13	236	43.11	457	35.92	10
1977.....	237	40.65	459	36.20	14	234	41.07	454	36.01	10
1978.....	239	48.29	460	43.36	15	237	48.49	459	43.23	11
1979.....	241	41.56	450	36.65	18	237	42.06	452	35.43	12
1980.....	241	39.08	452	36.04	19	237	39.48	447	36.01	12
1981.....	243	43.87	458	40.40	17	238	44.05	454	40.27	11
1982.....	244	54.87	454	49.66	19	240	55.07	458	49.59	12
1983.....	240	47.32	444	40.55	20	239	47.33	455	40.68	13
1984.....	239	48.53	448	43.04	19	239	48.69	451	43.29	14
1985.....	244	44.47	473	39.57	15	241	44.50	466	39.41	13
1986.....	244	50.30	480	45.49	17	242	50.59	469	45.58	13
1987.....	252	50.88	480	44.11	21	246	51.04	473	44.08	14
1988.....	252	42.98	486	33.65	25	249	43.25	477	33.38	16
1989.....	251	43.75	484	37.01	26	249	43.77	477	36.53	18

¹ Includes Indianapolis, Kansas City, Omaha, National Stock Yards, Sioux City, South St. Joseph, and South St. Paul. Prior to 1970, included Chicago.

Agricultural Marketing Service.

Table 416.—Pork cuts (less than carlots): Wholesale price per 100 pounds, New York, 1975-88

Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, skinned, 14- to 17-lb. average ¹	Bacon, slab, 8- to 12-lb. average	Year	Loins, fresh, 8- to 14-lb. average	Butts, Boston style, 4- to 8-lb. average	Hams, skinned, 14- to 17-lb. average ¹	Bacon, slab, 8- to 12-lb. average
	Dollars	Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars
1975.....	99.28	86.44	89.15	.....	1982.....	111.51	91.12	91.47	.....
1976.....	97.68	81.13	91.06	.....	1983.....	115.91	96.07	95.54	.....
1977.....	95.25	75.98	89.08	.....	1984.....	115.81	96.85	99.57	.....
1978.....	109.15	71.77	99.63	.....	1985.....	113.59	90.02	92.90	.....
1979.....	107.65	94.13	94.38	.....	1986.....	104.78	80.11	91.61	.....
1980.....	101.14	87.46	88.99	.....	1987.....	126.51	102.72	105.15	.....
1981.....	113.70	97.56	95.55	.....	1988 ²	118.79	92.33	96.52	.....

¹ Delete word "smoked" after 1974. ² Discontinued after 1988.

Agricultural Marketing Service.

Table 417.—Lard, including rendered pork fat: Stocks Jan. 1, production, trade, and disappearance, United States, 1975-89

Year	Supply						Disposition			
	Production				Stocks Jan. 1 ¹	Total ²	Ex- ports ³	Domestic disappearance		
	Federal- ly inspected	Other commercial	Farm	Total				Total	Direct use	
									Total	Per civilian
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Mil- lion pounds</i>	<i>Mil- lion pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Mil- lion pounds</i>	<i>Mil- lion pounds</i>	<i>Mil- lion pounds</i>	<i>Pounds</i>
1975	956	39	17	1,012	36	1,048	88	932	633	3.0
1976	1,010	34	17	1,060	28	1,088	181	873	585	2.7
1977	994	27	16	1,038	34	1,072	182	861	510	2.3
1978	968	23	15	1,006	29	1,035	120	881	486	2.2
1979	1,109	32	14	1,129	38	1,167	96	1,021	569	2.5
1980	1,173	30	14	1,207	50	1,257	92	1,116	588	2.6
1981	1,131	24	12	1,159	49	1,207	149	1,031	573	2.5
1982	892	18	9	1,011	37	1,048	103	1,008	586	2.5
1983	952	20	7	973	37	1,010	89	888	487	2.1
1984	911	17	6	939	34	973	89	846	491	2.1
1985	906	17	6	927	39	966	105	826	425	1.8
1986	855	14	5	876	35	911	104	785	417	1.7
1987	844	13	5	863	22	885	107	745	440	1.8
1988			5	932	33	965	127	801	429	1.7
1989 ^a				^a 935	37	972	110	830	442	1.8

¹ Factory and warehouse stocks as reported by the Bureau of the Census. ² Includes imports, which were less than 500,000 pounds. ³ Preliminary. ⁴ ERS estimate.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce and the U.S. Department of Agriculture. Totals and per capita estimates computed from unrounded numbers.

Table 418.—Lard, including rendered pork fat: United States exports by country of destination, 1986-89

Continent and country	1986	1987	1988	1989 ¹	Continent and country	1986	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
North America:					Europe:				
Belize.....	1,287	897	1,704	981	Belgium and Luxembourg.....	34	267	0	0
Canada.....	2,386	2,536	4,478	5,940	United Kingdom.....	0	0	4	10
Haiti.....	2,021	612	723	1,697	Other countries.....	21	623	6	0
Mexico.....	41,603	43,017	49,405	36,334	Total.....	55	890	10	10
Netherlands Antilles.....	101	50	97	132					
Panama.....	5	58	20	4	Africa.....	44	6	2	4
Other countries.....	135	88	10	452	Asia.....	50	4	1,009	4,381
Total.....	47,538	47,252	56,438	45,540	Oceania.....	0	0	0	0
South America:					Grand total ²	47,827	48,239	57,622	50,074
Bolivia.....	0	0	0	0					
Colombia.....	45	35	51	37					
Other countries.....	94	52	113	101					
Total.....	140	87	164	138					

¹ Preliminary. ² May not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 419.—Sheep and lambs: Number and value, United States, Jan. 1, 1975-90

Year	Number	Value		Year	Number	Value	
		Per head	Total			Per head	Total
	<i>Thou-sands</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>Thou-sands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	14,515	30.50	442,491	1983.....	12,140	51.80	628,599
1976.....	13,311	37.30	496,281	1984.....	11,559	52.10	602,847
1977.....	12,722	42.50	540,158	1985.....	10,716	61.10	654,079
1978.....	12,421	51.60	641,476	1986.....	10,145	67.40	684,038
1979.....	12,365	72.10	890,970	1987.....	10,572	75.70	799,254
1980.....	12,699	78.20	993,093	1988.....	10,945	90.00	984,961
1981.....	12,947	69.90	904,303	1989.....	10,858	82.40	894,912
1982.....	12,997	57.10	742,139	1990 ¹	11,368	79.40	903,598

¹ Preliminary.

National Agricultural Statistics Service.

Table 420.—Sheep and lambs: Number, by classes, United States, Jan. 1, 1975-90

Year	All sheep and lambs	Sheep and lambs on feed	Stock sheep				
			Total	Lambs		1 year and over	
				Ewes	Wethers and rams	Ewes	Wethers and rams
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1975.....	14,515	2,079	12,436	1,510	404	10,083	437
1976.....	13,311	1,884	11,427	1,345	350	9,314	418
1977.....	12,722	1,731	10,991	1,401	379	8,850	361
1978.....	12,421	1,623	10,798	1,508	328	8,588	374
1979.....	12,365	1,579	10,786	1,684	356	8,366	380
1980.....	12,699	1,622	11,077	1,810	368	8,533	366
1981.....	12,947	1,649	11,298	1,790	358	8,780	371
1982.....	12,997	1,564	11,433	1,810	423	8,811	389
1983.....	12,140	1,661	10,479	1,420	343	8,343	374
1984.....	11,559	1,718	9,841	1,243	319	7,936	343
1985.....	10,716	1,596	9,130	1,079	297	7,431	323
1986.....	10,145	1,487	8,658	1,061	321	6,958	318
1987.....	10,572	1,513	9,059	1,311	378	7,037	333
1988.....	10,945	1,581	9,364	1,323	352	7,348	342
1989.....	10,858	1,646	9,212	1,344	346	7,187	334
1990 ¹	11,368	1,717	9,651	1,338	309	7,649	356

¹ Preliminary.

National Agricultural Statistics Service.

Table 421.—Stock sheep: Number, by classes, by States, Jan. 1, 1989 and 1990

State	Lambs				One year and over			
	Ewes		Wethers and rams		Ewes		Wethers and rams	
	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹	1989	1990 ¹
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head	1,000 head
AK.....	0.4	0.2	0.2	0.1	1.4	1.5	0.7	0.7
AZ.....	26	27	19	15	185	170	9	8
CA.....	100	97	24	32	632	620	24	26
CO.....	64	55	13	12	355	375	13	13
CT.....	1.6	1.6	.8	.7	5.8	7.0	.6	.6
ID.....	46	46	5.0	5.0	220	223	6.0	6.0
IL.....	19	22	4.0	4.0	98	106	5.0	6.0
IN.....	11	9	2.0	2.0	68	67	5.0	4.0
IA.....	42	46	5.0	10.0	293	332	10	12
KS.....	16	16	5.0	5.0	130	155	8.0	9.0
KY.....	4	3.7	1.5	1.5	25	28	1.5	1.8
LA.....	2.1	2.3	1.1	1.0	12	12.2	1.8	1.5
ME.....	1.9	2.7	1.2	2.2	11	14	.9	1.1
MD.....	7.0	5.1	2.0	1.9	23	21.2	3.0	3.8
MA.....	2.3	2.6	1.1	1.1	9.7	12.2	.9	1.1
MI.....	10	11	3.0	2.0	72	75	4.0	4.0
MN.....	40	31	7.0	6.0	170	165	8.0	8.0
MO.....	14	12	3.0	3.0	87	100	5.0	5.0
MT.....	111	124	10	9.0	434	490	15	17
NE.....	15	15	3.0	4.0	97	111	4.0	5.0
NV.....	12	13	1.0	1.0	70	80	2.0	3.0
NH.....	1.7	2.1	.8	.9	7.6	9.1	.9	.9
NJ.....	2.2	2.0	2.5	1.5	9.0	9.5	1.3	1.0
NM.....	70	66	10	13	384	373	21	21
NY.....	18	18	12	11	57	60	2.0	3.0
NC.....	2.0	2.5	.6	1.0	9.5	10.5	.9	1.0
ND.....	22	23	5.0	4.0	111	120	5.0	5.0
OH.....	24	27	4.0	4.0	165	166	7.0	8.0
OK.....	14	13	7.0	7.0	94	90	5.0	5.0
OR.....	42	40	14	12	280	279	14	14
PA.....	22	20	11	9	91	95	10	10
SD.....	70	74	8.0	6.0	430	441	12	14
TN.....	.8	1.4	.3	.6	8.1	9.2	.8	.8
TX.....	270	250	110	70	1,250	1,490	70	80
UT.....	57	58	6.0	7.0	405	407	12	13
VT.....	3.8	5.5	2.4	3.7	17	19.3	1.8	1.5
VA.....	12	13	3.0	4.0	95	100	5.0	5.0
WA.....	14.5	15.5	4.5	5.5	51	58	4.0	4.0
WV.....	10	9.5	7.0	5.5	62	59	3.0	3.0
WI.....	12	13	3.0	2.0	66	71	4.0	4.0
WY.....	125	133	17	16	555	571	23	20
9 other States ²	6.0	9.0	6.0	7.0	41.0	46.0	4.0	5.0
US.....	1,344.3	1,337.7	346.0	309.2	7,187.1	7,648.7	334.1	355.8

¹ Preliminary. ² Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.
National Agricultural Statistics Service.

Table 422.—Sheep and lambs: Number of stock sheep and sheep on feed, by States,
Jan. 1, 1988-90

State	Stock sheep			Sheep on feed ²		
	1988	1989	1990 ¹	1988	1989	1990 ¹
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
AK.....	2.4	2.7	2.5			
AZ.....	237	239	220	47	45	42
CA.....	800	780	775	170	160	180
CO.....	395	445	455	360	380	385
CT.....	8.0	8.8	9.9			
ID.....	305	277	280	19	10	16
IL.....	122	126	138	13	14	21
IN.....	77	86	82	7.0	9.0	8.0
IA.....	360	350	400	70	70	90
KS.....	164	159	185	95	98	102
KY.....	34	32	35			
LA.....	16	17	17			
ME.....	17	15	20			
MD.....	34	35	32			
MA.....	16	14	17			
MI.....	84	89	92	21	26	29
MN.....	185	225	210	65	65	75
MO.....	92	109	120	11	16	18
MT.....	570	570	640	27	30	23
NE.....	135	119	135	45	50	42
NV.....	94	85	97	2.0	2.0	4.0
NH.....	12	11	13			
NJ.....	15	15	14			
NM.....	459	485	473	30	31	22
NY.....	73	89	92			
NC.....	14	13	15			
ND.....	142	143	152	27	21	34
OH.....	210	200	205	55	46	65
OK.....	100	120	115	24	16	14
OR.....	390	350	345	90	125	110
PA.....	110	134	134			
SD.....	540	520	535	70	70	55
TN.....	12	10	12			
TX.....	1,890	1,700	1,890	150	170	200
UT.....	460	480	485	18	23	24
VT.....	22	25	30			
VA.....	108	115	122	40	43	43
WA.....	72	74	83			
WV.....	91	82	77			
WI.....	83	85	90	10	9	15
WY.....	760	720	740	115	117	100
9 other States ³	54.0	57.0	67.0			
US.....	9,364.4	9,211.5	9,651.4	1,581.0	1,646.0	1,717.0

¹ Preliminary. ² Sheep and lambs on feed are animals being fattened for slaughter market on grain, other concentrates, or succulent pastures, and are expected to produce a carcass that will grade Good or better.

³ Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 423.—Sheep: Number in specified countries, 1988-90 ¹

Continent and country	1988	1989	1990 ²	Continent and country	1988	1989	1990 ²
	<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>		<i>Thou- sand head</i>	<i>Thou- sand head</i>	<i>Thou- sand head</i>
North America:				Europe—Con.			
United States ³	10,945	10,858	11,368	Hungary	2,386	2,216	2,069
Total	10,945	10,858	11,368	Poland	4,075	4,300	4,196
South America:				Romania	18,900	19,400	19,500
Argentina	29,202	29,345	29,365	Yugoslavia	7,824	7,564	7,603
Uruguay	27,365	28,420	28,420	Total Eastern			
Total	56,567	57,765	57,785	Europe	45,764	45,501	45,295
Europe:				Soviet Union	140,783	140,684	140,500
Belgium-Luxembourg	160	156	161	Africa:			
Denmark	73	86	100	Egypt	1,650	1,750	1,815
France	10,360	11,500	10,000	South Africa	29,640	30,935	32,665
Germany, Fed. Rep. of	1,414	1,464	1,533	Total	31,290	32,685	34,480
Greece	10,512	10,694	10,400	Asia and Mideast:			
Ireland	4,301	4,991	5,782	India	51,684	53,486	54,588
Italy	11,457	11,623	11,695	Saudi Arabia	6,848	7,084	6,457
Netherlands	1,169	1,405	1,500	Turkey	40,000	34,850	31,500
Portugal	3,180	3,187	3,024	Total	98,532	95,420	92,545
Spain	20,310	23,797	26,200	Oceania:			
United Kingdom	27,820	29,045	29,521	Australia	162,500	174,918	187,384
Total Western				New Zealand	64,244	64,436	60,600
Europe	90,756	97,948	99,916	Total	226,744	239,354	247,984
Bulgaria	8,886	8,300	8,200	Total selected			
Czechoslovakia	1,087	1,087	1,087	countries	701,381	720,215	729,873
German Dem. Rep.	2,656	2,634	2,640	China ⁴	180,340	201,530	211,000
				Total	881,721	921,745	940,873

¹ Various dates of enumeration are used by the countries reporting animal numbers. Data presented in this table approximate Jan. 1 as closely as possible. ² Preliminary. ³ 50 States. ⁴ Includes goats in China.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 424.—Sheep and lambs: Average price per 100 pounds at San Angelo, 1975-89 ¹

Year	Sheep			Slaughter lambs			
	Good	Utility	Cull	Shorn		Spring	
				Prime	Choice	Prime	Choice
1975.....	15.34	13.08	10.80	45.80	44.69	47.75	45.10
1976.....	17.69	14.56	11.40	50.20	49.81	54.74	53.27
1977.....	19.12	15.92	12.73	52.22	53.54	56.46	54.68
1978.....	28.39	23.85	19.18	.....	65.56	74.82	71.19
1979.....	30.20	27.48	22.68	.....	69.35	.....	73.55
1980.....	24.16	20.02	16.14	.....	64.41	70.50	68.18
1981.....	26.26	22.25	17.98	.....	56.73	.....	64.42
1982.....	21.80	17.80	13.77	.....	57.12	.....	64.25
1983.....	16.85	13.61	10.56	.....	56.47	.....	60.70
1984.....	20.04	15.58	11.49	.....	61.30	.....	62.84
1985.....	34.02	28.87	21.61	66.88	68.06	71.47	71.90
1986.....	35.10	28.20	20.44	66.95	66.95	73.06	73.06
1987.....	38.62	31.23	23.87	77.36	77.36	82.64	82.52
1988.....	38.88	31.30	22.98	70.84	70.52	66.71	66.71
1989.....	38.58	30.78	21.93	66.06	66.06	71.48	71.48

¹ Simple average of monthly bulk-of-sales prices from data of the livestock reporting service. Agriculture Marketing Service.

Table 425.—Lamb crop: Number of lambs as percentage of ewes one year old and older, by States, 1987-89 ¹

State	1987		1988		1989 ²	
	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1	Number	Lamb crop as percent of ewes one year old and over, Jan. 1
	Thousands	Percent	Thousands	Percent	Thousands	Percent
AK.....	0.7	54	0.7	58	0.7	50
AZ.....	120	69	125	69	130	70
CA.....	625	91	590	86	550	87
CO.....	330	110	360	113	400	113
CT.....	8.5	142	8.4	145	8.6	148
ID.....	290	118	280	113	270	123
IL.....	96	122	115	122	160	163
IN.....	75	119	75	132	90	132
IA.....	325	118	370	127	385	131
KS.....	155	107	140	99	145	112
KY.....	27	113	27	100	31	124
LA.....	12	100	12	100	11	92
ME.....	15	115	14	117	16	145
MD.....	21	131	22	100	23	100
MA.....	13	118	13	118	13	134
MI.....	90	132	90	134	95	132
MN.....	170	131	200	140	225	132
MO.....	100	125	100	132	110	126
MT.....	440	110	460	107	500	115
NE.....	115	122	110	105	125	129
NV.....	80	116	74	95	84	120
NH.....	11	128	10	125	12	158
NJ.....	11	134	11	122	10	111
NM.....	275	80	300	82	290	76
NY.....	48	120	61	127	67	118
NC.....	11	118	10	100	11	116
ND.....	150	125	141	124	156	141
OH.....	205	103	195	115	200	121
OK.....	61	102	80	103	90	96
OR.....	320	105	320	100	310	111
PA.....	75	103	85	112	98	108
SD.....	510	118	500	110	515	120
TN.....	8.5	98	7.0	79	9.7	120
TX.....	1,200	86	950	69	1,150	92
UT.....	380	101	380	97	430	106
VT.....	19	119	15	107	25	147
VA.....	115	117	118	128	130	137
WA.....	58	132	65	120	75	147
WV.....	77	113	72	107	69	111
WI.....	84	135	85	135	100	152
WY.....	515	97	570	97	570	103
9 Other States ³	47.0	103	45.0	113	49.0	120
US.....	7,288.7	106	7,206.1	98	7,739.0	108

¹ Lamb crop defined as lambs born in the native States and lambs docked or branded in the Western States.² Preliminary. ³ Includes AL, AR, DE, FL, GA, HI, MS, RI and SC.

National Agricultural Statistics Service.

Table 426.—Sheep and lambs: Production, disposition, cash receipts, and gross income, United States, 1975-89

Year	Lamb crop ¹	Marketings ²		Inship- ments	Farm slaughter	Quantity produced (live weight) ³
		Sheep	Lambs			
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 pounds</i>
1975.....	9,857	1,812	9,039	2,349	212	785,394
1976.....	8,888	1,495	8,120	2,469	202	733,026
1977.....	8,573	1,450	7,361	2,148	198	706,395
1978.....	7,927	1,439	6,529	2,148	174	686,869
1979.....	7,974	1,347	6,336	2,143	172	704,593
1980.....	8,257	1,395	6,743	2,216	166	746,343
1981.....	8,820	1,510	7,103	1,885	189	772,382
1982.....	8,580	2,124	7,358	2,115	195	785,425
1983.....	8,214	1,779	7,053	1,816	171	769,014
1984.....	7,837	1,690	6,964	1,839	141	699,776
1985.....	7,501	1,653	6,966	1,696	136	704,059
1986.....	7,396	1,280	6,087	1,775	127	725,906
1987.....	7,242	1,195	6,194	1,772	111	733,111
1988.....	7,206	1,566	5,939	1,518	99	707,148
1989 ⁴	7,739	997	6,534	1,634	98	777,658

Year	Value of production	Cash receipts for sales of sheep, lambs, and mutton and lamb ⁵	Value of sheep and lambs slaughtered for home consumption	Gross income ⁶	Average price per 100 pounds received by farmers	
					Sheep	Lambs
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	303,328	385,804	8,470	394,274	11.30	42.10
1976.....	315,581	393,101	9,173	402,274	13.10	46.90
1977.....	320,323	386,372	9,866	396,238	13.50	51.30
1978.....	381,621	452,935	11,223	464,158	21.80	62.80
1979.....	406,766	470,387	11,774	482,161	26.30	66.70
1980.....	402,689	470,782	11,636	482,418	21.30	63.60
1981.....	359,085	416,081	12,334	428,415	21.20	54.90
1982.....	355,703	445,134	13,000	458,134	19.50	53.10
1983.....	355,969	422,828	11,041	433,869	15.70	53.90
1984.....	377,895	459,687	13,256	472,943	16.40	60.10
1985.....	434,228	514,471	12,285	526,756	23.90	67.70
1986.....	444,684	481,275	12,602	493,877	25.60	69.00
1987.....	502,642	558,067	14,454	572,521	29.50	77.60
1988.....	420,164	477,950	9,694	487,644	25.60	69.10
1989 ⁴	448,533	491,125	9,695	500,820	24.40	66.10

¹ Lamb crop defined as lambs born in the native States, plus lambs docked or branded in the Western States for the period Oct. 1 through Sept. 30. ² Includes animals custom slaughtered for use on farms where produced, but excludes interfarm sales within the State. ³ Adjustments made for changes in inventory and for inshipments.

⁴ Preliminary. ⁵ Receipts from marketings and sale of farm-slaughtered meat. ⁶ Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption.

National Agricultural Statistics Service.

Table 427.—Sheep and lambs: Production, disposition, cash receipts, and gross income, by States, 1989 (preliminary)

State	Marketings ¹		Shipped in	Slaughter on farms ²	Quantity produced (live weight) ³	Value of production	Cash receipts from sales of sheep, lambs, and mutton and lamb ⁴	Value of sheep and lambs slaughtered for home consumption	Gross income ⁵
	Sheep	Lambs							
	1,000 head	1,000 head	1,000 head	1,000 head	1,000 pounds	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AK.....	0	0.4	0.3	0.5	39	25	32	11	43
AZ.....	75	114	71	13	12,795	7,354	10,662	625	11,287
CA.....	58	658	268	11	66,985	43,356	55,863	1,447	57,310
CO.....	70	538	285	2	55,637	31,983	43,481	268	43,749
CT.....	.9	5.4	0	.2	750	561	478	34	512
ID.....	38	210	18	1	27,403	14,940	14,911	246	15,157
IL.....	8	124	20	3	14,875	8,402	7,843	662	8,505
IN.....	14	65	5	2	7,700	3,765	3,953	120	4,073
IA.....	5	312	78	1	38,774	21,653	22,567	62	22,629
KS.....	11	156	78	1	17,589	10,539	11,920	252	12,172
KY.....	.7	27	7.5	.5	3,081	1,917	1,959	59	2,018
LA.....	1.6	5	0	.9	611	337	303	35	338
ME.....	0	9.2	0	.6	1,457	1,025	563	154	717
MD.....	4	18	1	0	1,903	1,130	1,330	0	1,330
MA.....	.7	7.8	0	.3	1,140	834	612	73	685
MI.....	6	68	1	1	9,325	5,277	4,882	205	5,087
MN.....	20	227.5	56	1.5	23,570	15,970	17,556	398	17,954
MO.....	2	79.3	4	.7	9,340	5,247	4,833	127	4,960
MT.....	60	325	35	1	41,892	22,225	20,760	145	20,905
NE.....	21	163	100	1	12,671	7,433	11,121	110	11,231
NV.....	2	49	12	3	6,102	3,240	2,909	133	3,042
NH.....	.4	6.9	0	.4	805	591	416	63	479
NJ.....	9.9	12.6	13.6	.5	835	474	1,230	61	1,291
NM.....	70	195	46	25	20,910	12,319	13,406	1,722	15,128
NY.....	20	31	4	1	5,110	2,477	2,426	122	2,548
NC.....	.5	5.1	0	.4	747	358	251	20	271
ND.....	17	109	17	1	14,038	7,793	7,209	144	7,353
OH.....	17	130.5	1.5	1.5	17,230	9,855	8,625	109	8,734
OK.....	24.5	71	14	1.5	8,003	4,404	4,978	140	5,118
OR.....	37	291	56	3	32,060	18,736	22,091	711	22,802
PA.....	23	56	0	1	9,208	4,680	4,765	36	4,801
SD.....	52	456	65	.2	55,744	34,385	37,276	171	37,447
TN.....	2.2	6.7	3	.2	757	457	445	8	453
TX.....	68	908	212	1	126,657	75,296	77,233	161	77,394
UT.....	40	331	11	4	35,674	19,200	19,137	261	19,398
VT.....	3.7	14	0	.6	2,318	1,585	1,167	90	1,257
VA.....	20	82	2	1	12,090	6,325	6,097	0	6,097
WA.....	6	48	4	3	7,286	3,956	3,612	240	3,852
WV.....	16	45	1	1	5,413	2,657	2,761	110	2,871
WI.....	5	70	4	0	9,620	5,436	5,151	0	5,151
WY.....	162	479	140	4	55,177	28,076	32,534	298	32,832
Other ⁶	5	25	0	1	4,340	2,261	1,776	65	1,841
US.....	997	6,534	1,634	98	777,658	448,533	491,125	9,695	500,820

¹ Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. ² Excludes custom slaughter for farmers at commercial establishments. ³ Adjustments made for changes in inventory and for shipments. ⁴ Receipts from marketings and sale of farm-slaughter. ⁵ Cash receipts from sales of sheep, lambs, and mutton and lamb plus value of sheep and lambs slaughtered for home consumption. ⁶ Includes AL, AR, DE, FL, GA, HI, MS, RI, and SC.

National Agricultural Statistics Service.

Table 428.—Sheep and lambs: Receipts at selected public stockyards, 1975-89 ¹

Year	Fort Worth	Kansas City	Omaha	National Stock Yards	South St. Joseph	South St. Paul	Sioux City	All others reporting	Total markets reporting ^{2 3}
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
1975	7	22	81	29	41	247	81	1,394	1,902
1976	5	19	76	28	36	218	55	1,325	1,707
1977	4	14	73	25	36	165	47	1,247	1,611
1978	2	12	51	22	19	126	29	993	1,254
1979	1	14	54	18	20	126	23	1,037	1,293
1980	1	21	52	16	20	146	24	1,034	1,314
1981	1	20	44	17	17	146	25	1,033	1,303
1982	(*)	21	33	21	18	137	24	1,176	1,430
1983		17	24	22	21	131	18	1,072	1,305
1984		15	21	22	19	116	12	1,093	1,298
1985		12	15	18	13	105	8	794	965
1986		8	14	15	7	87	10	738	881
1987		5	13	14	7	74	18	767	898
1988		4	13	15	3	75	19	888	1,017
1989		4	13	15	5	85	19	858	998

¹ Total rail and truck receipts unloaded at public stockyards. Saleable receipts only, 1978. ² Rounded totals of complete figures. ³ The number of stockyards reporting varies from 41 to 68. ⁴ Data no longer reported. Agricultural Marketing Service. Compiled from reports received from stockyard companies.

Table 429.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by States, 1989 ¹

State	Number slaughtered	Total live weight	Average live weight	State	Number slaughtered	Total live weight	Average live weight
	<i>Thou-sands</i>	<i>1,000 pounds</i>	<i>Pounds</i>		<i>Thou-sands</i>	<i>1,000 pounds</i>	<i>Pounds</i>
AL				N ENG ²	32.3	3,157	98
AZ	1.1	126	113	NJ	54.2	5,545	102
AR .....	.7	73	103	NM	100.5	11,484	114
CA	669.8	83,894	125	NY	105.9	9,755	92
CO	1,685.0	227,866	135	NC	1.0	87	90
DE and MD	19.9	2,035	102	ND	1.2	141	122
FL	1.3	87	67	OH	23.2	2,419	104
GA	1.4	138	102	OK	2.0	234	116
HI	1.5	146	97	OR	8.5	986	116
ID	4.1	472	114	PA	103.6	10,844	105
IL	220.4	25,948	118	SC			
IN	15.8	1,673	106	SD	81.8	10,012	122
IA	529.2	66,871	126	TN .....	.7	60	91
KS	418.9	52,391	125	TX	556.0	62,634	113
KY	12.0	1,573	132	UT	30.7	3,745	122
LA	6.2	617	99	VA	11.5	1,010	88
MI	239.1	27,578	115	WA	153.8	18,573	121
MN	335.7	40,632	121	WV .....	.7	78	115
MO	15.8	1,825	115	WI	10.9	1,283	118
MT	2.5	290	117	WY	2.0	234	118
NE	1.5	180	119	US	5,464.8	677,001	124
NV	2.0	248	123				

¹ Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms.

² Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

National Agricultural Statistics Service.

Table 430.—Sheep and lambs: Number slaughtered, United States, 1975-89

Year	Commercial			Farm	Total	Year	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹				Federal-ly inspected	Other	Total ¹		
	Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands		Thou-sands	Thou-sands	Thou-sands	Thou-sands	Thou-sands
1975.....	7,552	283	7,835	212	8,047	1983.....	6,412	207	6,619	171	6,790
1976.....	6,474	240	6,714	202	6,916	1984.....	6,549	210	6,759	141	6,900
1977.....	6,133	223	6,356	198	6,554	1985.....	5,976	189	6,165	135	6,300
1978.....	5,169	200	5,369	174	5,543	1986.....	5,464	171	5,635	127	5,762
1979.....	4,833	184	5,017	172	5,189	1987.....	5,042	158	5,200	112	5,312
1980.....	5,363	216	5,579	166	5,745	1988.....	5,122	171	5,293	99	5,392
1981.....	5,789	219	6,008	189	6,197	1989.....	5,295	170	5,465	94	5,559
1982.....	6,273	175	6,449	195	6,644						

¹ Totals are based on unrounded numbers.

National Agricultural Statistics Service.

Table 431.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected and commercial, 1975-89 ¹

Year	Federally inspected									Commercial		
	Lambs and yearlings			Mature sheep			Total			All sheep and lambs		
	Num-ber head	Pct. of total	Avg. dressed weight	Num-ber head	Pct. of total	Avg. dressed weight	Num-ber head	Avg. dressed weight	Avg. live weight	Num-ber head	Avg. dressed weight	Avg. live weight
	Thou-sands	Per-cent	Pounds	Thou-sands	Per-cent	Pounds	Thou-sands	Pounds	Pounds	Thou-sands	Pounds	Pounds
1975.....	6,993	92.6	.....	558	7.4	.....	7,552	51	109	7,835	51	104
1976.....	6,058	93.6	.....	416	6.4	.....	6,474	54	108	6,714	54	109
1977.....	5,643	92.0	54	489	8.0	55	6,133	54	108	6,356	54	108
1978.....	4,810	93.1	57	359	6.9	56	5,169	56	113	5,369	56	112
1979.....	4,499	93.1	57	334	6.9	55	4,833	57	114	5,017	57	114
1980.....	4,970	92.7	56	393	7.3	53	5,363	56	112	5,579	56	112
1981.....	5,388	93.1	55	401	6.9	53	5,789	55	110	6,008	54	110
1982.....	5,820	92.8	56	454	7.2	53	6,273	56	111	6,449	56	111
1983.....	5,933	92.5	56	479	7.5	54	6,412	56	113	6,619	56	112
1984.....	6,035	92.2	56	513	7.8	54	6,549	56	111	6,759	56	111
1985.....	5,578	93.3	58	399	6.7	56	5,976	57	115	6,165	57	114
1986.....	5,154	94.3	59	310	5.7	57	5,464	59	118	5,635	59	117
1987.....	4,771	94.6	60	271	5.4	59	5,042	60	120	5,200	60	119
1988.....	4,829	94.3	63	293	5.7	59	5,122	59	100	5,293	63	124
1989.....	4,961	93.7	64	334	6.3	58	5,295	63	102	5,465	63	124

¹ All percents and weights calculated using unrounded totals.

National Agricultural Statistics Service.

Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1988 and 1989

State	Cows ¹		Steers and heifers		Beef cattle ²		Calves	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	46.20	48.60	70.70	73.20	60.30	63.20	84.60	85.90
AK.....	51.00	47.00	73.00	70.00	63.00	60.00	74.00	74.00
AZ.....	45.20	46.30	69.80	72.90	65.80	66.30	87.30	86.70
AR.....	46.10	48.40	75.90	79.30	60.40	64.20	88.60	90.10
CA.....	46.70	46.90	70.40	73.70	61.80	62.20	82.70	83.20
CO.....	49.10	49.70	72.50	75.30	70.90	73.20	93.20	93.20
CT.....	45.00	48.00	60.00	60.00	57.00	57.00	71.00	74.00
DE.....	48.60	49.10	68.30	70.10	61.40	62.80	78.20	79.10
FL.....	47.80	49.30	70.70	74.80	52.60	56.00	91.80	94.80
GA.....	46.90	49.00	70.20	72.00	57.80	58.90	83.40	83.40
HI.....	33.20	33.40	49.20	50.90	46.60	48.10	63.30	65.00
ID.....	45.40	45.70	66.60	69.70	62.40	64.00	85.50	87.50
IL.....	46.00	48.10	69.50	72.60	68.20	71.20	110.00	121.00
IN.....	44.90	46.50	65.70	68.20	58.10	60.90	78.40	78.50
IA.....	46.10	48.20	70.20	73.40	67.30	70.60	88.40	90.60
KS.....	48.60	49.50	73.10	75.50	71.50	73.70	90.20	91.30
KY.....	44.30	47.20	72.70	75.80	61.40	66.40	84.00	85.30
LA.....	45.40	47.40	71.30	74.50	52.90	55.90	88.20	90.50
ME.....	48.00	48.00	60.00	60.00	58.00	58.00	72.00	74.00
MD.....	48.60	49.10	68.30	70.10	61.40	62.80	78.20	79.10
MA.....	45.00	45.00	59.00	59.00	56.00	56.00	72.00	74.00
MI.....	45.80	47.60	64.00	66.90	56.10	58.50	85.40	93.70
MN.....	45.60	47.40	67.60	70.60	62.50	65.40	87.50	91.10
MS.....	46.80	49.80	71.80	75.00	55.20	59.80	88.70	88.30
MO.....	48.80	50.20	77.10	79.50	68.60	72.80	87.80	88.60
MT.....	46.40	46.50	77.80	80.30	65.70	68.20	90.60	88.40
NE.....	47.30	47.60	71.30	74.80	70.20	73.40	92.60	92.80
NV.....	42.70	45.00	69.70	70.50	61.60	63.90	85.50	86.70
NH.....	46.00	45.00	59.00	60.00	56.00	57.00	71.00	74.00
NJ.....	45.80	46.80	61.40	62.30	48.50	50.00	93.70	99.10
NM.....	47.20	48.80	72.80	72.80	62.30	61.40	92.30	90.20
NY.....	44.10	45.70	53.20	57.00	44.80	46.40	93.20	98.40
NC.....	48.30	50.10	64.00	65.50	56.00	57.50	80.00	82.10
ND.....	45.60	47.10	78.30	79.90	71.00	71.70	91.90	91.00
OH.....	45.70	47.30	68.60	71.30	63.70	66.90	86.10	87.00
OK.....	45.80	48.30	77.10	78.50	63.20	66.40	89.00	89.70
OR.....	45.20	45.80	75.00	74.30	64.00	62.00	85.60	85.60
PA.....	45.50	47.10	66.40	68.70	58.90	60.50	99.20	98.60
RI.....	45.00	48.00	60.00	60.00	57.00	58.00	72.00	74.00
SC.....	46.70	48.60	71.20	71.80	52.80	54.40	89.60	90.80
SD.....	47.30	49.20	73.90	75.80	67.40	69.20	97.40	96.40
TN.....	44.20	46.20	71.10	73.40	57.00	61.70	83.30	85.00
TX.....	46.10	48.70	71.80	74.40	67.20	70.40	86.90	89.00
UT.....	44.70	45.30	68.40	72.30	66.50	67.00	91.50	89.40
VT.....	47.00	46.00	61.00	60.00	58.00	57.00	70.00	75.00
VA.....	44.30	47.00	72.90	74.40	63.10	66.80	82.10	81.40
WA.....	45.30	45.70	68.30	71.30	65.30	67.90	84.80	82.30
WV.....	43.90	45.00	73.00	71.60	64.00	64.00	81.50	80.50
WI.....	45.50	47.90	64.20	67.10	53.70	55.30	124.00	129.00
WY.....	51.20	51.80	79.90	81.00	68.00	68.40	95.60	94.00
US.....	46.30	48.00	71.40	74.30	66.60	69.50	89.20	90.80

See footnotes at end of table.

Table 432.—Livestock: Average price per 100 pounds received by farmers, by States, 1988 and 1989—Continued

State	Hogs ³		Lambs		Sheep	
	1988	1989	1988	1989	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	40.20	39.70				
AK.....	79.00	62.00				
AZ.....	46.90	44.50	70.00	65.00	30.00	30.00
AR.....	38.60	39.80	80.70	71.50	26.70	27.90
CA.....	47.00	45.70	70.30	69.30	23.60	21.10
CO.....	44.60	44.30	68.50	63.40	25.30	27.30
CT.....	41.00	39.00	89.00	95.00	34.00	36.00
DE.....	42.10	41.80				
FL.....	38.20	38.20				
GA.....	41.50	42.50				
HI.....	76.50	76.90				
ID.....	40.20	38.50	61.90	61.50	19.40	19.50
IL.....	41.70	42.60	65.20	63.00	23.60	20.50
IN.....	41.80	42.00	60.60	55.70	24.20	20.70
IA.....	43.20	43.20	65.20	63.70	22.80	21.30
KS.....	41.50	41.20	66.60	65.50	28.50	27.00
KY.....	42.90	42.40	65.00	61.00	21.00	20.00
LA.....	34.70	34.10	70.00	68.00	30.00	29.00
ME.....	41.00	39.00	82.00	86.00	34.00	36.00
MD.....	42.10	41.80	71.10	67.70	23.30	28.00
MA.....	41.00	39.00	90.00	96.00	34.00	36.00
MI.....	41.40	41.50	66.00	62.00	22.00	21.00
MN.....	43.10	43.60	67.20	66.30	20.80	19.30
MS.....	42.10	42.70				
MO.....	42.00	42.10	62.00	62.90	27.50	24.30
MT.....	36.60	38.30	66.30	65.80	22.20	20.80
NE.....	42.50	43.10	65.00	65.40	26.70	25.50
NV.....	33.40	33.10	56.50	59.50	20.60	22.10
NH.....	41.00	39.00	85.00	90.00	34.00	36.00
NJ.....	38.70	38.80	73.20	68.20	39.40	38.00
NM.....	41.70	42.10	71.00	66.90	32.60	29.50
NY.....	40.40	39.50	76.00	72.00	27.20	24.30
NC.....	42.20	42.20	57.00	58.00	20.00	22.00
ND.....	39.40	39.00	67.80	65.30	21.30	21.40
OH.....	42.20	42.40	65.10	62.60	30.00	23.90
OK.....	41.40	42.20	66.90	65.30	21.10	21.10
OR.....	44.10	43.90	62.30	64.80	20.30	19.30
PA.....	43.60	43.90	70.80	68.10	24.40	23.70
RI.....	41.00	39.00				
SC.....	41.70	41.90				
SD.....	42.20	42.30	70.10	67.30	26.70	28.00
TN.....	41.60	39.90	62.50	64.00	25.80	24.60
TX.....	41.30	39.90	75.10	71.10	28.80	30.00
UT.....	37.70	38.80	61.50	60.50	20.00	19.20
VT.....	41.00	39.00	83.00	83.00	34.00	36.00
VA.....	41.00	40.20	68.00	64.00	22.00	20.00
WA.....	40.30	42.20	62.20	65.00	20.20	21.20
WV.....	42.00	40.50	63.40	61.00	19.80	18.00
WI.....	40.80	41.00	65.20	63.70	18.20	16.00
WY.....	40.90	41.00	67.80	65.90	21.00	18.30
US.....	42.30	42.50	69.10	66.10	25.60	24.40

¹ Includes cull dairy cows sold for slaughter, but not cows for dairy herd replacement. ² Weighted average of prices for cows, and for steers and heifers. ³ December of preceding year through November.

National Agricultural Statistics Service.

Table 433.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, value of production, pulled wool production, exports, imports, total new supply of apparel wool, and imports of carpet wool, United States, 1975-89

Year	Sheep and lambs shorn ¹	Weight per fleece	Shorn wool production	Price per pound ²	Value of production ³	Pulled wool production	
						Average weight per skin	Total
	Thousands	Pounds	1,000 pounds	Cents	1,000 dollars	Pounds	1,000 pounds
1975.....	14,403	8.30	119,535	44.7	53,505	3.35	6,000
1976.....	13,536	8.21	111,100	65.7	73,332	3.34	4,850
1977.....	13,217	8.12	107,328	72.0	77,276	3.30	2,450
1978.....	12,719	8.09	102,942	74.5	76,690	3.15	1,000
1979.....	13,069	8.02	104,867	86.3	90,536	3.20	900
1980.....	13,263	7.95	105,419	88.1	92,846	3.10	1,050
1981.....	13,493	8.14	109,787	94.5	103,665	3.05	1,150
1982.....	13,199	8.04	106,129	68.4	72,782	(*)	(*)
1983.....	12,866	8.00	102,890	61.3	62,980	.....	.....
1984.....	12,322	7.77	95,670	79.5	75,988	.....	.....
1985.....	11,247	7.88	88,055	63.3	55,732	.....	.....
1986.....	10,827	7.82	84,372	66.8	56,331	.....	.....
1987.....	10,922	7.75	84,450	91.7	77,009	.....	.....
1988.....	11,531	7.76	85,482	138.0	124,993	.....	.....
1989 *.....	11,307	7.89	89,157	124.0	110,426	.....	.....

Year	Total wool production ⁶	Raw wool supply (clean)				Total new supply ¹¹
		Domestic production ⁷	Exports ⁸	Imports for consumption		
				48's and Finer ⁹	Not Finer than 46's ¹⁰	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1975.....	125,535	67,488	7,674	16,605	17,021	93,440
1976.....	115,950	62,197	1,130	38,387	19,076	118,530
1977.....	109,778	58,455	385	36,303	22,655	117,028
1978.....	103,942	55,082	425	27,000	23,404	105,061
1979.....	105,767	56,022	313	20,283	22,047	98,039
1980.....	106,469	56,426	304	30,491	25,992	112,605
1981.....	110,937	58,806	307	48,106	26,145	132,750
1982.....	106,129	56,036	1,351	39,988	21,433	116,106
1983.....	102,890	54,326	1,014	49,371	28,688	131,371
1984.....	95,670	50,514	488	63,271	30,905	144,202
1985.....	88,055	46,493	1,415	50,164	29,308	124,550
1986.....	84,372	44,548	788	66,090	30,901	140,751
1987.....	84,450	44,590	1,037	74,054	31,066	148,673
1988.....	89,482	47,246	1,247	72,324	24,417	142,740
1989 *.....	89,157	47,075	1,159	77,003	29,937	152,856

¹ Includes sheep shorn at commercial feeding yards. ² Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool. ³ Production by States multiplied by annual average price. ⁴ Estimates discontinued in 1982. ⁵ Preliminary. ⁶ Beginning 1982, shorn wool only. ⁷ Conversion factors from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1974-1988 pulled wool production—72.9 percent. ⁸ Includes carpet wool exports. ⁹ Prior to 1989, known as dutiable imports. ¹⁰ Prior to 1989, known as duty-free imports. In 1989, includes 29,889,013 pounds of imported raw wool not finer than 46's and 48,074 pounds of miscellaneous imported raw wool. ¹¹ Production minus exports plus imports; stocks not taken into consideration.

Economic Research Service and National Agricultural Statistics Service. Imports and exports from reports of the U.S. Department of Commerce.

Table 434.—Wool: Price-support operations, United States, 1975-89

Marketing year	Shorn wool price per pound		Payment rate		Marketings covered by payments ³		Amount of payments ⁴		
	Support	Season average received by producers	Average for shorn wool per pound ¹	Unshorn lambs per cwt. ²	Shorn wool	Unshorn lambs	Shorn wool	Unshorn lambs	Total
	Cents	Cents	Cents	Cents	Million pounds	Million pounds	Million dollars	Million dollars	Million dollars
1975	72	44.7	61.1	109	135	571	35.1	5.7	40.8
1976	72	65.7	9.6	25	96	471	5.8	1.2	7.0
1977	99	72.0	37.5	108	96	424	24.3	4.6	28.9
1978	108	74.5	48.0	134	92	386	29.6	5.2	34.8
1979	115	86.3	33.3	115	95	392	26.3	4.5	30.8
1980	123	88.1	39.6	140	96	388	32.0	5.5	37.5
1981	135	94.5	42.9	162	104	444	40.3	6.7	47.0
1982	137	68.4	100.3	274	88	515	59.2	12.5	71.7
1983	153	61.3	149.6	367	114	550	99.2	17.5	116.7
1984	165	79.5	107.5	342	94	536	76.3	15.7	92.0
1985	165	63.3	160.7	407	85	532	82.7	18.6	101.3
1986	178	66.8	166.5	445	81	601	86.2	20.7	106.8
1987	181	91.7	97.4	357	79	620	67.7	16.9	84.4
1988	178	138.0	29.0	160	82.1	540	31.4	7.3	38.7
1989	177	124.0	42.7	212	78.5	516	40.7	9.4	50.1

¹ Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of shorn wool. ² For unshorn lambs sold.

³ Unadjusted for weight of unshorn lambs produced. ⁴ Payments for wool marketed during the year shown are made after Mar. 31 of the following year. This includes deductions for American Sheep Council.

Agricultural Stabilization and Conservation Service.

Table 435.—Wool: Average price per pound, clean basis, delivered to United States mills, 1975-89

Year	Territory ¹		Fleece % blood good French combing and staple ²	Australian 64's good topmaking (in bond, American yield)
	Fine good French combing and staple	% blood good French combing and staple		
	Cents	Cents	Cents	Cents
1975 ²	150	96	86	206
1976 ⁴	182	143	136	218
1977	183	161	158	222
1978	189	169	164	234
1979	218	182	175	277
1980	245	195	186	309
1981	278	185	177	316
1982	247	152	.....	300
1983	212	133	.....	274
1984	229	172	.....	278
1985	192	136	.....	259
1986	191	139	.....	248
1987	265	168	.....	367
1988	438	224	.....	584
1989	370	205	.....	472

¹ Wool grown in the range areas of Oregon, Washington, the intermountain States (including Arizona and New Mexico) and parts of the Dakotas, Kansas, Nebraska, and Oklahoma. These wools vary considerably in shrinkage and color.

² Most wool grown in the farm areas of the Dakotas, Nebraska, Kansas, Oklahoma, and parts of Minnesota, Wisconsin, Iowa, and Missouri is somewhat dark in color and of moderately heavy shrinkage. Most of that grown in the States which are east of the Mississippi River and in parts of Minnesota, Iowa, and Missouri is bright in color and of relatively light shrinkage.

³ Beginning January 1975 reported as Australia Type 62-64's. ⁴ Before January 1976 the unit designation terminology for wool prices changed to microns. For example 64's (20.60-22.04 microns) formerly was fine good French combing and staple. Two designations 56's (26.40-27.84 microns) and 58's (24.95-26.39 microns) have been averaged in the price data shown here and together were formerly the category fleece % blood good French combing and staple.

USDA—Economic Research Service and Agricultural Marketing Service.

Table 436.—Wool: Mill consumption, by grades, on the woolen and worsted systems, scoured basis, United States, 1980-89 ^{1 2 3}

Item	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Apparel wool:										
Woolen system:	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
60's and finer	28.2	35.2	23.8	30.5	32.9	28.0	34.1	32.4	23.8	24.1
Coarser than 60's	28.8	29.3	24.6	30.2	32.3	27.7	32.2	28.6	20.9	21.8
Total	57.0	64.5	48.4	60.7	65.2	55.7	66.3	61.0	44.7	45.9
Worsted system:										
60's and finer	35.5	41.2	36.2	42.4	39.7	33.6	41.7	53.8	54.5	50.4
Coarser than 60's	20.9	22.0	21.3	23.6	24.1	16.7	18.8	14.9	17.9	16.7
Total	56.4	63.3	57.5	66.0	63.8	50.3	60.5	68.7	72.4	67.1
Total apparel:										
60's and finer	63.8	76.4	60.0	72.9	72.6	61.6	75.8	86.2	78.3	74.5
Coarser than 60's	49.6	51.4	45.9	53.8	56.4	44.4	51.0	43.5	38.8	38.5
Total	113.4	127.8	105.9	126.7	129.0	106.0	126.8	129.7	117.1	113.0
Carpet wool	10.0	10.9	9.8	13.9	13.1	10.6	10.0	13.1	15.6	14.1
Grand total mill	123.4	138.7	115.7	140.6	142.1	116.6	136.8	142.8	132.7	127.1

¹ Scoured wool, plus greasy wool converted to a scoured basis, using assumed average yields. Includes both pulled and shorn, foreign and domestic wool. Wool was considered as consumed (1) on the woolen system when laid in mixes and (2) on the worsted system as the sum of top and noil production. ² Domestic, duty-paid and duty-free foreign.

³ Excludes wool consumed on the cotton system and in the manufacture of felt, hat bodies, and other miscellaneous products.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 437.—Wool: United States imports (for consumption), clean content, by grades, 1979-89 ^{1 2}

Grade	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
48's and finer:	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
Finer than 58's ³	14.1	27.2	39.7	32.2	41.6	50.3	40.8	54.0	64.1	65.6	68.3
48's-58's ⁴	6.2	3.3	8.4	7.8	7.8	13.0	9.4	12.1	9.9	6.7	8.7
Total	20.3	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3	77.0
Not Finer than 46's:											
Wool for special use ⁵	2.0	1.8	3.3	.8	.5	.4	.6	.9	1.2	1.5	6.2
Not finer than 40's ⁶	10.2	10.1	8.0	7.4	8.8	7.8	6.2	7.2	9.1	4.5	4.3
Finer than 40's-44's ⁷	5.6	7.9	5.9	5.1	5.8	6.0	6.9	9.2	13.9	13.5	11.5
46's ⁸	4.2	6.2	9.0	8.1	13.6	16.7	15.6	13.6	6.9	4.9	7.9
Total	22.0	26.0	26.2	21.4	28.7	30.9	29.3	30.9	31.1	24.4	29.9
Miscellaneous ⁹											
Grand total	42.3	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7	106.9

¹ Natural fiber grown by sheep or lambs. ² Beginning 1989 the following Harmonized Tariff Schedule numbers are in the above ¹ wool import groups. ³ 5101.11.6060, 5101.19.6060, 5101.21.4000, 5101.29.4060, 0.5(5101.30.4000).

⁴ 5101.11.6030, 5101.19. 6030, 5101.21.4030, 5101.29.4030, 0.5(5101.30.4000). ⁵ 5101.11.1000, 5101.19.1000, 5101.21.1000, 5101.29.1000. ⁶ 5101.11.2000, 5101.19.2000, 5101.21.1500, 5101.29.1500, 5101.30.1000. ⁷ 5101.11.4000, 5101.19.4000, 5101.21.3000, 5101.29.3000, 5101.30.1500. ⁸ 5101.11.5000, 5101.19.5000, 5101.21.3500, 5101.29.3500, 5101.30.3000. ⁹ 5101.21.6000, 5101.29.6000, 5101.30.6000. They include wool not carded or combed but processed beyond the scoured or carbonized condition, e.g. dyed. This wool is not identified by use or grade. In 1989 this quantity was 48,074 pounds.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 438.—Wool: United States imports (for consumption), clean content, by country of origin, 1980-89 ¹

Country of origin	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989 ²
<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>	<i>Mil. lb.</i>
48's and finer: ³										
Argentina.....	3.9	8.7	4.2	1.4	2.1	0.2	0.6	0.3	1.5	.....
Australia.....	22.8	28.9	24.7	35.0	41.8	39.0	52.0	62.4	61.6	66.8
Canada.....	.2	.7	.2	.1	.3	.1	.3	.5	.4	.4
Chile.....	.5	.8	1.0	.3	.5	.5	.7	.6	.5	.5
New Zealand.....	1.1	1.6	1.5	2.3	5.6	3.6	5.4	4.1	4.2	4.7
South Africa.....	.2	1.9	4.7	8.3	8.8	4.1	4.5	.....	.....	.....
United Kingdom.....	.1	.2	.1	.....	.2	.3	.3	.6	.5	.5
Uruguay.....	1.2	4.0	3.1	1.7	3.5	1.9	2.2	4.0	2.2	1.6
Other.....	.5	1.3	.5	.3	.5	.5	.1	1.5	1.4	2.5
Total.....	30.5	48.1	40.0	49.4	63.3	50.2	66.1	74.0	72.3	77.0
Not finer than 46's: ⁴										
Argentina.....	2.3	2.3	1.5	2.0	1.8	1.3	1.7	1.5	1.2	1.1
Australia.....	.3	.7	.3	.6	.7	.7	.7	.5	.4	.3
Canada.....	.....	.1	.2	.3	.5	.6	.8	.3	.2	.1
New Zealand.....	20.2	18.0	15.1	21.7	23.8	21.5	23.4	23.8	19.0	25.0
Uruguay.....	.....	.....	.1	.1	.1	.1	.1	.....	.....	.....
South Africa.....	.1	.2	.2	.4	.5	.2	.....	.....	.....	.....
United Kingdom.....	1.7	3.5	3.2	3.4	3.5	4.6	3.8	4.5	3.2	3.2
Other.....	1.4	1.3	.8	.2	.....	.3	.3	.4	.4	.2
Total.....	26.0	26.1	21.4	28.7	30.9	29.3	30.9	31.1	24.4	29.9
Grand total.....	56.5	74.3	61.4	78.1	94.2	79.5	97.0	105.1	96.7	106.9

¹ Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition. ² Preliminary. ³ Formerly "Dutiable". ⁴ Formerly "Duty-free".

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 439.—Goats and mohair: Number of goats clipped, mohair production, average price per pound received by farmers, and value of production, Texas, 1975-89 ¹

Year	Goats clipped ¹	Average clip per goat	Mohair production	Price per pound	Value of production ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	1,215	7.1	8,600	1.85	15,910
1976.....	1,100	7.4	8,100	2.97	24,067
1977.....	1,215	6.5	8,000	2.87	22,960
1978.....	1,188	6.8	8,100	4.59	37,179
1979.....	1,275	7.3	9,300	5.10	47,430
1980.....	1,240	7.1	8,800	3.50	30,800
1981.....	1,300	7.8	10,100	3.50	35,350
1982.....	1,330	7.5	10,000	2.55	25,500
1983.....	1,360	7.8	10,600	4.05	42,930
1984.....	1,450	7.7	11,200	4.30	48,160
1985.....	1,730	7.7	13,300	3.45	45,885
1986.....	2,000	8.0	16,000	2.51	40,160
1987.....	2,000	8.1	16,200	2.63	42,606
1988 ³	2,321	7.5	17,323	1.89	32,769
1989 ³	2,467	7.0	17,255	1.58	27,198
1988 ⁴	2,000	7.7	15,400	1.94	29,876
1989 ⁴	2,140	7.2	15,400	1.61	24,794

¹ The number clipped is the sum of goats and kids clipped in the spring and kids clipped in the fall.
² Production multiplied by price per pound. ³ Includes Texas plus New Mexico, Oklahoma, Arizona, and Michigan. ⁴ Texas only and 1975-1987.

National Agricultural Statistics Service.

Table 440.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1987-89

State	Sheep and lambs shorn ¹		Weight per fleece ²		Shorn wool production		Price per pound		Value of production ³	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
	Thous- sands	Thous- sands	Pounds	Pounds	1,000 pounds	1,000 pounds	Cents	Cents	1,000 dol. lars	1,000 dol. lars
AK	1.8	2.0	9.4	9.0	17	18	75	125	13	23
AZ	269	267	7.2	6.6	1,950	1,750	69	108	1,346	1,890
CA	1,020	955	7.1	7.4	7,241	7,103	87	143	6,300	10,157
CO	818	980	6.8	6.6	5,572	6,330	93	140	5,182	8,862
CT	7.4	6	6.9	7.5	51	45	64	74	33	33
ID	293	295	9.5	9.9	2,778	2,929	89	118	2,472	3,456
IL	149	153	6.8	6.8	1,018	1,038	54	68	67	717
IN	81	82	7.0	6.8	569	558	48	62	63	372
IA	490	525	6.6	7.0	3,185	3,701	55	74	73	346
KS	230	251	6.6	6.9	1,509	1,722	69	104	1,041	1,791
KY	34	35	6.9	6.7	235	236	52	76	73	179
LA	16	17	6.8	6.7	109	114	58	76	63	87
ME	14	13	7.5	8.0	105	104	72	83	76	86
MD	24	28	7.7	7.0	185	197	63	87	75	171
MA	15	12	7.3	7.2	110	86	101	79	85	87
MI	95	99	7.6	7.6	722	750	796	55	75	71
MN	241	250	6.7	7.2	1,623	1,798	1,950	57	77	89
MO	107	115	7.0	6.8	7.1	749	889	57	74	75
MT	511	567	10.1	10.0	5,153	5,666	1,02	148	5,256	5,775
NE	178	190	7.1	7.3	1,394	1,260	62	89	86	838
NV	83	91	10.0	10.0	830	910	95	143	782	1,241
NH	10	10	7.0	7.6	70	76	73	73	51	55
NJ	10	11	7.0	7.0	77	77	57	92	40	71
NM	467	444	8.7	9.2	4,083	4,079	120	185	4,900	7,546

See footnotes at end of table.

Table 440.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, and value of production, by States, 1987-89—Continued

State	Sheep and lambs shorn ¹		Weight per fleece ²		Shorn wool production		Price per pound		Value of production ³				
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988			
	Thou- sands	Thou- sands	Pounds	Pounds	1,000 pounds	1,000 pounds	Cents	Cents	1,000 dol- lars	1,000 dol- lars			
NY.....	60	63	7.1	7.1	7.0	426	447	476	71	88	79	1989 *	1,000 dol- lars
NC.....	12	12	6.5	7.1	7.1	78	78	85	54	84	70	1988	393
ND.....	169	185	7.5	9.6	9.1	1,605	1,620	1,690	72	106	1,156	1987	42
OH.....	273	260	7.2	7.1	6.8	1,959	1,845	1,822	54	71	1,717	1988	66
OK.....	100	112	7.0	6.2	6.2	2,876	3,228	2,930	71	107	1,058	1987	1,825
OR.....	450	520	6.4	6.2	6.2	2,876	3,228	2,930	71	107	1,058	1988	1,348
PA.....	105	104	8.5	8.5	7.1	680	681	750	66	86	824	1987	152
SD.....	630	620	8.5	8.5	9.1	5,382	5,333	5,062	84	132	3,034	1988	2,784
TN.....	11	11	6.7	6.5	6.5	74	72	72	37	85	386	1987	563
TX.....	2,250	2,500	7.3	7.3	7.1	16,400	18,200	18,000	121	137	4,221	1988	6,657
UT.....	40	45	9.3	9.3	10.1	4,320	4,575	4,378	93	136	19,844	1987	1,38
VT.....	20	22	7.4	7.2	7.4	148	158	132	62	80	35,854	1988	59
WA.....	140	132	135	8.6	8.6	628	620	642	77	91	4,018	1987	134
WI.....	77	77	74	8.6	8.9	436	462	434	62	101	6,222	1988	154
WV.....	77	77	70	5.6	6.2	431	462	434	62	91	1,300	1987	685
WY.....	93	94	94	7.5	7.3	709	705	697	57	77	493	1988	355
9 States ⁷	815	877	815	9.5	9.3	7,735	8,195	7,930	105	165	13,532	1987	523
US.....	10,922	11,531	7.75	7.76	7.89	84,450	89,482	89,157	91.7	1.38	1,222	1988	224
												1989 *	108,902

¹ Includes shearing at commercial feeding yards.² For Texas and California, the weight per fleece is the amount of wool shorn per sheep and lamb during the year.³ Production multiplied by annual average price.⁴ Preliminary.⁵ Price per pound calculated by weighting monthly prices by monthly sales of wool for each State.⁶ The prices for remaining States are annual averages.⁶ U.S. average price per pound derived using unrounded value and production.⁷ Includes AL, AR, DE, FL, HI, GA, MS, RI, and SC.

National Agricultural Statistics Service.

Table 441.—Mohair: Price-support operations, United States, 1975-89

Marketing year	Price per pound		Average payment rate per pound ¹	Marketings covered by payments	Amount of payments ²
	Support	Season average received by producers			
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Million pounds</i>	<i>Million dollars</i>
1975.....	80.2	185.0			
1976.....	80.2	297.0			
1977.....	149.8	287.0			
1978.....	164.7	459.0			
1979.....	194.3	510.0			
1980.....	290.3	350.0			
1981.....	371.8	350.0	21.8	8.3	1.9
1982.....	397.7	255.0	142.7	11.4	16.8
1983.....	462.7	405	57.7	11.5	6.3
1984.....	516.9	430	86.9	12.0	10.3
1985.....	443.0	345	98.0	13.0	12.6
1986.....	493.0	251	242.0	17.9	42.7
1987.....	495.0	263	232.0	16.3	36.4
1988.....	469.0	169	280.0	17.2	48.3
1989.....	458.8	158	300.8	17.0	50.9

¹ Average needed to bring the return up to the support level. The payment to an individual producer is computed by applying the announced percentage to his receipts from marketing of mohair. ² Payments for mohair marketed during the year shown are made after Mar. 31 of the following year. This includes deductions for Mohair Council of America.

Agricultural Stabilization and Conservation Service.

Table 442.—Red meat and lard: Production, by class of slaughter, United States, 1975-89

Year	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹			Federal-ly inspected	Other	Total ¹		
	Beef					Pork, excluding lard				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	21,626	2,045	23,671	303	23,974	10,733	581	11,314	189	11,503
1976.....	23,726	1,941	25,667	302	25,969	11,699	519	12,219	196	12,415
1977.....	23,364	1,622	24,986	293	25,279	12,518	533	13,051	196	13,247
1978.....	22,623	1,387	24,010	232	24,242	12,689	520	13,209	184	13,393
1979.....	20,059	1,202	21,261	185	21,446	14,668	602	15,270	180	15,450
1980.....	20,273	1,197	21,470	174	21,644	15,742	689	16,431	184	16,615
1981.....	21,043	1,171	22,214	175	22,389	15,114	605	15,719	156	15,875
1982.....	21,334	1,032	22,366	170	22,536	13,657	464	14,121	108	14,229
1983.....	22,057	1,001	23,058	183	23,241	14,659	461	15,120	82	15,202
1984.....	22,509	907	23,416	180	23,596	14,282	438	14,720	92	14,812
1985.....	22,709	848	23,557	171	23,728	14,312	414	14,726	79	14,805
1986.....	23,456	757	24,213	158	24,371	13,618	380	13,998	65	14,063
1987.....	22,746	659	23,405	161	23,566	13,954	358	14,312	62	14,374
1988.....	22,837	588	23,425	165	23,590	15,250	373	15,623	61	15,684
1989.....	22,456	519	22,975	113	23,088	15,375	382	15,757	54	15,811

See footnotes at end of table.

**Table 442.—Red meat and lard: Production, by class of slaughter,
United States, 1975-89—Continued**

Year	Commercial			Farm	Total	Commercial			Farm	Total
	Federal-ly inspected	Other	Total ¹			Federal-ly inspected	Other	Total ¹		
	Veal					Lamb and Mutton				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	494	333	827	46	873	385	14	399	11	410
1976.....	563	250	813	40	853	349	12	361	10	371
1977.....	569	225	794	40	834	330	11	341	10	351
1978.....	447	153	600	32	632	290	10	300	9	309
1979.....	315	95	410	24	434	275	9	284	9	293
1980.....	296	83	379	21	400	299	11	310	8	318
1981.....	324	91	415	21	436	317	11	328	10	338
1982.....	341	82	423	25	448	347	9	356	9	365
1983.....	356	73	429	25	454	358	10	368	8	376
1984.....	408	71	479	16	495	362	10	372	8	380
1985.....	441	57	498	16	514	341	9	350	7	357
1986.....	455	54	509	15	524	322	8	330	7	337
1987.....	382	34	416	13	429	302	8	310	6	316
1988.....	362	24	386	9	395	320	9	329	6	335
1989.....	326	18	344	11	355	334	8	342	6	348
	All meat, excluding lard					Lard				
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	33,238	2,973	36,211	549	36,760	956	39	995	17	1,012
1976.....	36,337	2,722	39,060	548	39,608	1,010	34	1,044	17	1,061
1977.....	36,781	2,391	39,172	539	39,711	994	27	1,021	16	1,037
1978.....	36,049	2,070	38,119	457	38,576	968	23	991	15	1,006
1979.....	35,317	1,908	37,225	398	37,623	1,112	29	1,141	14	1,155
1980.....	36,611	1,979	38,590	387	38,977	1,173	30	1,203	14	1,217
1981.....	36,798	1,877	38,675	362	39,037	1,131	24	1,155	12	1,167
1982.....	35,680	1,586	37,266	312	37,578	892	18	910	9	919
1983.....	37,431	1,543	38,974	298	39,272	952	20	972	6	978
1984.....	37,561	1,426	38,987	296	39,283	911	18	929	7	936
1985.....	37,803	1,328	39,131	273	39,404	906	17	923	6	929
1986.....	37,851	1,199	39,050	245	39,296	855	14	869	5	874
1987.....	37,384	1,058	38,442	240	38,682	844	13	857	5	862
1988.....	38,770	993	39,763	241	40,004	919	14	933	5	938
1989.....	38,491	927	39,418	184	39,602	464	.....	464	2	466

¹ Totals are based on unrounded data.

National Agricultural Statistics Service.

Table 443.—Meat and meat food products: Quantity prepared and processed under Federal inspection, United States, fiscal year, 1988 ¹

Product	Fiscal year 1988	Product	Fiscal year 1988
	<i>1,000 pounds</i>		<i>1,000 pounds</i>
Cured:		Sliced/packaged product:	
Beef.....	409,690	Sausage, loaves, luncheon meat.....	1,266,620
Pork.....	5,976,736	Ham.....	616,259
Other meats.....	113,124	Bacon.....	2,168,988
Smoked, dried, or cooked:		Other.....	780,295
Bacon.....	2,124,829	Convenience foods (frozen and/or unfro-	
Hams.....	2,517,799	zen):	
Pork.....	670,567	Pizza.....	1,005,121
Beef.....	674,104	Pies.....	341,778
Other smoked.....	453,905	Dinners.....	428,887
Fresh/frozen products:		Entrees.....	598,660
Beef cuts.....	12,478,447	Other.....	520,866
Pork cuts.....	14,432,016	Miscellaneous meat products:	
Other cuts.....	690,799	Cured meat loaves.....	89,477
Beef, boned.....	11,197,605	Non-specific loaves.....	153,508
Pork, boned.....	4,724,445	Meat patties.....	631,429
Other, boned.....	316,102	Other formulated products.....	415,792
Steaks, chops, roasts (chopped/formed).....	2,718,567	Horse and equine products.....	86,390
Hamburger/ground beef.....	4,914,037	Animal food.....	111,925
Mechanically processed beef product.....	6,458	Total.....	
Mechanically processed pork product.....	23,548		
Mechanically processed other product.....	27,381	Fats and oils:	
Other fresh/frozen.....	1,359,857	Lard, rendered.....	1,207,837
Sausage:		Lard, refined.....	786,550
Fresh.....	1,356,296	Tallow, edible.....	2,311,984
Uncooked cured.....	46,620	Compound containing animal fat.....	1,172,841
Dried/semi-dried.....	593,218	Oleomargarine containing animal fat.....	69,956
Frankfurters/wieners.....	1,825,275	Total.....	86,589,485
Bologna.....	879,237		
Liver sausage and braunschweiger.....	130,350	Total all products (includes canned).....	90,112,150
Other.....	1,163,310		

¹ Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories. Food Safety and Inspection Service.

Table 444.—Canned meat products: Quantity produced under Federal inspection, United States, fiscal year, 1988 ¹

Product	Fiscal year 1988	Product	Fiscal year 1988
Luncheon meat.....	228,343	Byproducts, other than pickled.....	20,287
Canned hams.....	187,524	Miscellaneous sausage product.....	20,469
Hash products.....	127,761	Corned beef.....	1,963
Chili con carne.....	542,219	Soups.....	782,674
Viennas.....	124,201	Pork shoulder picnics and loins.....	5,092
Frankfurters and wieners.....	2,427	All other meat and/or meat byproducts	
Deviled ham.....	10,535	20% or more meat.....	135,845
Potted meat food products and spreads.....	40,488	All other meat and/or meat byproducts	
Tamales.....	31,209	under 20% meat.....	342,303
Sliced dried beef.....	2,725	Horse and equine products.....	58,177
Chopped beef, hamburgers.....	14,867	Animal food.....	53,048
Meat stew.....	221,574	Total.....	3,522,665
Pasta meat product.....	554,062		
Vinegar-pickled products.....	17,872		

¹ Total represents pounds of product inspected and is greater than total amount of meat used for processed products. Some products move from fresh to cured, to smoked, etc., and will be counted in each of these categories. Food Safety and Inspection Service.

Table 445.—Meat: Production by types in specified countries, 1988 and 1989 ¹

Continent and country	Beef and veal		Pork ³		Mutton, lamb, and goat meat		Total production	
	1988	1989 ²	1988	1989 ²	1988	1989 ²	1988	1989 ²
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
North America:								
Canada.....	973	980	1,188	1,184			2,161	2,164
Mexico.....	1,754	2,140	964	910	73	75	2,791	3,125
United States.....	10,880	10,633	7,114	7,173	152	157	18,146	17,963
Total.....	13,607	13,753	9,266	9,267	225	232	23,098	23,252
South America:								
Argentina.....	2,610	2,600			87	96	2,697	2,696
Brazil.....	2,500	3,509	1,100	950			3,600	4,459
Colombia.....	707	741	131	140			838	881
Uruguay.....	321	347			73	74	394	421
Venezuela.....	307	337	148	132			455	469
Total.....	6,445	7,534	1,379	1,222	160	170	7,984	8,926
Central America and Caribbean:								
Costa Rica.....	86	81					86	81
Dominican Republic.....	61	60	16	14			77	74
El Salvador.....	23	27					23	27
Guatemala.....	61	61	14	14			75	75
Honduras.....	33	34					33	34
Panama.....	57	57					57	57
Total.....	321	320	30	28			351	348
Europe:								
Belgium and Luxembourg.....	323	312	813	831	7	7	1,143	1,150
Denmark.....	217	205	1,168	1,165	1	2	1,386	1,372
France.....	1,780	1,670	1,599	1,840	153	160	3,532	3,670
Germany, Fed. Rep. of.....	1,609	1,575	2,838	2,684	30	31	4,477	4,290
Greece.....	82	82	160	151	123	130	365	363
Ireland.....	458	431	146	139	49	62	653	632
Italy.....	1,164	1,140	1,269	1,276	76	80	2,509	2,496
Netherlands.....	506	485	1,632	1,636	12	13	2,150	2,134
United Kingdom.....	945	980	1,048	981	321	368	2,314	2,329
Portugal.....	111	120	211	216	30	28	352	364
Spain.....	450	451	1,722	1,722	231	231	2,403	2,404
Total EC.....	7,645	7,451	12,606	12,641	1,033	1,112	21,284	21,204
Austria.....	222	213	399	404			621	617
Finland.....	111	102	168	173			279	280
Sweden.....	127	139	300	308			427	447
Switzerland.....	157	157	279	280			436	437
Total other Western Europe.....	617	616	1,146	1,165			1,763	1,781
Bulgaria.....	131	136	404	424	89	78	624	638
Czechoslovakia.....	451	488	938	960	10	10	1,399	1,458
German Dem. Rep.....	425	425	1,342	1,368	19	18	1,786	1,811
Hungary.....	93	108	986	1,079	4	4	1,083	1,191
Poland.....	783	729	1,845	1,870	25	22	2,653	2,621
Romania.....	230	210	840	600	60	72	1,130	882
Yugoslavia.....	301	309	819	791	70	69	1,190	1,169
Total Eastern Europe ⁴	2,414	2,405	7,174	7,092	277	273	9,865	9,770
Total Europe.....	10,676	10,472	20,926	20,898	1,310	1,385	32,912	32,755
Soviet Union ⁵.....	8,600	8,800	6,600	6,700	1,000	1,000	16,200	16,500
Africa:								
Egypt.....	450	409			52	50	502	459
South Africa.....	553	582			194	202	747	784
Total.....	1,003	991			246	252	1,249	1,243

See footnotes at end of table.

**Table 445.—Meat: Production by types in specified countries, 1988 and 1989 ¹—
Continued**

Continent and country	Beef and veal		Pork ²		Mutton, lamb, and goat meat		Total production	
	1988	1989 ²	1988	1989 ²	1988	1989 ²	1988	1989 ²
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Asia and Middle East:								
China.....	958	1,025	20,176	21,375	802	880	21,936	23,280
Hong Kong.....			34	30			34	30
India.....	550	670			527	550	1,077	1,220
Israel.....	35	39					35	39
Japan.....	570	548	1,578	1,594			2,148	2,142
Korea, Rep. of.....	175	124	433	485	1	1	609	610
Philippines.....	124	132	540	615			664	747
Saudi Arabia.....	24	25			96	95	120	120
Singapore.....			76	75			76	75
Taiwan.....	5	6	911	917			916	923
Turkey.....	245	290			385	370	630	660
Total.....	2,686	2,859	23,748	25,091	1,811	1,896	28,245	29,846
Oceania:								
Australia.....	1,533	1,565	298	302	549	569	2,380	2,436
New Zealand.....	562	550	43	44	576	574	1,181	1,168
Total.....	2,095	2,115	341	346	1,125	1,143	3,561	3,604
Total selected countries ⁶.....	45,433	46,844	62,290	63,552	5,877	6,078	113,600	116,474

¹ Carcass weight basis; excludes offals, rabbit, and poultry meat. ² Preliminary. ³ Includes edible pork fat, but excludes lard and inedible greases (except United States). ⁴ Official CEMA data (includes fats and offals) with adjustments for live animal trade. ⁵ Slaughter weight basis (includes fats and offals) used in official Soviet Union statistics. ⁶ Includes other countries not listed separately.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors Attachés, and Foreign Service Officers, results of office research, and related information.

Table 446.—Meats, frozen and cured: Cold-storage holdings, United States, first of month, 1988 and 1989

Month	Frozen beef		Frozen pork		Frozen lamb and mutton	
	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	316,693	315,137	291,480	377,605	8,069	7,267
February.....	325,357	313,355	308,162	393,481	6,190	6,487
March.....	313,182	298,850	345,842	392,788	7,056	6,619
April.....	305,015	275,429	397,252	432,441	7,639	6,558
May.....	275,118	244,105	388,559	428,137	8,018	6,827
June.....	248,416	241,814	362,766	380,100	8,738	8,003
July.....	269,614	249,202	337,211	342,589	8,537	7,841
August.....	294,904	242,415	286,965	277,931	7,253	7,731
September.....	307,583	231,816	288,015	277,996	6,827	7,057
October.....	296,485	220,661	320,792	275,842	6,396	7,707
November.....	300,407	237,644	361,305	279,245	6,001	7,990
December.....	317,462	251,650	357,887	255,791	6,115	7,625

National Agricultural Statistics Service.

Table 447.—Meat: United States exports by type of product, 1975-89

Year	Beef and Veal			Lamb and mut-ton, fresh or frozen	Pork				Sausage, bologna, and frankfurters	Variety meats, fresh, chilled, or frozen	Other meats	Total d
	Fresh, chilled, and frozen	Prepared and pre-served	Fresh, chilled, and frozen		Hams and should-ers, cured	Bacon	Other pork, prepared or preserved					
							Not canned	Canned				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1975.....	n.a.	n.a.	1,305	82,028	4,155	575	3,709	686	2,237	n.a.	n.a.	n.a.
1976.....	n.a.	n.a.	1,403	128,895	3,041	1,028	3,422	1,114	2,523	n.a.	n.a.	n.a.
1977.....	n.a.	n.a.	1,755	116,282	2,941	1,216	2,919	1,810	3,426	n.a.	n.a.	n.a.
1978.....	40,390	14,878	1,375	84,120	3,934	1,655	7,524	2,932	3,653	181,164	67,549	409,174
1979.....	45,908	11,495	562	83,058	3,380	912	8,912	1,123	3,003	164,125	64,631	387,109
1980.....	48,255	11,248	595	69,966	3,327	820	8,438	1,667	3,296	195,182	69,532	412,326
1981.....	62,371	12,297	972	86,652	2,363	1,079	9,130	1,662	3,819	206,891	56,102	443,338
1982.....	71,621	14,046	676	58,541	1,358	774	7,514	1,289	3,404	222,688	48,924	530,835
1983.....	80,976	12,070	632	62,141	1,794	601	5,581	695	3,139	213,155	35,311	416,095
1984.....	99,208	12,322	878	46,098	1,474	621	3,837	513	2,603	213,180	34,432	415,166
1985.....	99,923	9,605	460	34,394	1,175	450	4,066	638	2,908	239,451	37,712	430,782
1986.....	173,884	10,519	558	20,969	650	474	4,796	349	3,214	241,051	46,130	502,594
1987.....	200,180	10,789	668	29,145	1,227	617	3,597	376	4,582	222,342	61,206	534,729
1988.....	214,530	14,083	619	54,598	2,138	1,045	4,924	268	8,439	302,087	74,160	676,891
1989.....	373,110	8,810	2,076	79,318	6,101	3,788	2,204	1,395	11,968	245,235	75,381	809,386

¹ May not add due to rounding. ² Preliminary. n.a. not available, earlier data series doesn't correspond directly to post-1978 series.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 448.—Meat: United States imports of meat subject to Public Law 96-177 (Meat Import Act), by country of origin, 1984-89 ¹

Country of origin	1984	1985	1986	1987	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Canada	166,207	187,762	169,947	152,634	131,119	n.a. ³
Mexico					0	126
Belize		263	189	31	0	0
Guatemala	18,351	28,229	7,731	19,404	19,997	28,808
El Salvador	2,777	1,664	649	1,950	1,914	1,739
Honduras	22,317	15,116	20,824	18,901	19,232	18,039
Nicaragua	7,793	3,914			0	0
Costa Rica	38,270	54,660	68,965	57,933	49,142	39,419
Panama	1,277	118	90		0	0
Haiti	37	46			0	0
Dominican Republic	1,692	18,860	25,106	20,474	31,164	21,156
Guam		531	343	568	0	0
Sweden		3,444	7,008	3,320		1,466
Australia	542,774	595,692	668,294	739,206	810,094	577,625
New Zealand	328,248	398,576	364,016	438,726	451,344	456,574
European Community	9,708	9,725	6,172	6,528	5,879	539
Total ²	1,141,471	1,318,600	1,339,334	1,459,674	1,521,270	1,145,491

¹ Fresh, chilled, and frozen beef, veal, mutton and goatmeat and certain prepared items from these. Excluding canned meat and certain items prepared from these meats. ² May not add due to rounding. ³ Due to the signing of the U.S.-Canada Free Trade Implementation Act of 1988, as of Jan. 1, 1989, Canada's meat exports are no longer subject to the U.S. Meat Impact Act. n.a. not available.

Foreign Agricultural Service.

Table 449.—Meat: United States imports, products weight basis, by country of origin, 1989

Country of origin	Beef and Veal		Lamb, mutton, and goat, except canned		Pork				Mixed sausage	Variety meats, fresh, chilled and frozen	Other livestock meats n.s.e.	Total
	Fresh, chilled and frozen	Canned, including sausage	Other prepared or preserved	Metric tons	Fresh, chilled and frozen	Canned	Other prepared or preserved	Sausage, all types				
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
Argentina.....	0	45,994	100	0	0	0	0	0	0	0	104	46,198
Australia.....	272,986	24	57	15,170	851	70	0	0	0	2,921	40	292,119
Brazil.....	0	19,139	200	0	0	0	0	0	0	0	336	19,675
Canada.....	87,106	395	672	51	100,686	89,839	10,959	1,216	375	6,639	520	298,458
Costa Rica.....	19,686	0	0	0	0	0	0	0	0	0	0	19,686
Denmark.....	816	70	0	26,048	0	42,729	3,262	875	2,132	245	3,635	79,813
Domin. Repub.	11,733	0	0	19	0	0	0	0	0	0	0	11,752
El Salvador.....	1,214	0	0	0	20	0	116	41	0	6	1,234	2,341
Germany, W.....	15,925	0	0	0	2	405	0	0	0	0	1,771	15,963
Guatemala.....	0	0	0	0	0	0	0	0	0	0	0	0
Haiti.....	0	0	0	0	0	0	0	0	0	0	0	0
Honduras.....	8,968	162	0	0	0	6,209	1,855	419	0	0	0	8,968
Hungary.....	0	0	0	0	0	0	0	0	0	0	0	0
Ireland.....	0	0	0	0	0	15	44	75	0	0	42	176
Mexico.....	70	83	0	0	0	0	0	0	0	0	4,560	4,630
Netherlands.....	219,572	196	2	5,661	47	4,102	2,843	0	98	0	1,244	8,370
New Zealand.....	0	0	0	0	0	0	0	0	0	776	1,113	227,367
Nicaragua.....	0	0	0	0	0	0	0	0	0	0	0	0
Poland.....	0	0	0	0	0	0	0	0	0	0	0	0
Romania.....	0	0	0	0	16	34,066	487	0	0	0	229	34,798
Sweden.....	834	47	0	0	554	2,011	554	11	0	0	2,576	2,576
Switzerland.....	0	0	0	0	7,406	928	615	0	0	412	451	10,693
United Kingdom.....	0	8	3	0	52	18	0	0	0	0	189	270
Uruguay.....	0	1,891	236	0	0	34	20	0	0	0	187	2,368
Yugoslavia.....	0	398	0	18	12,504	2	2	0	15	0	23	12,960
Other.....	89	303	164	15	756	4,570	496	19	0	103	5,569	12,084
Total ¹	638,999	68,710	1,434	20,917	135,922	197,518	21,253	2,656	2,620	11,102	20,013	1,121,144

¹ May not add due to rounding. n.s.e. not specified elsewhere.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 450.—Meat: United States imports by type of product, 1975-89

Year	Beef and Veal			Lamb, mutton, and goat, except canned	Pork				Mixed sausage	Variety meats, fresh or frozen	Other live-stock meats n.s.e.	Total ¹
	Fresh, chilled, and frozen	Canned, including sausage	Other prepared or preserved		Fresh and frozen	Canned	Other prepared or preserved	Sausage, all types				
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975.....	549,087	28,937	18,329	11,670	14,917	130,863	665	1,944	1,294	2,534	n.a.	n.a.
1976.....	587,404	53,902	30,979	15,949	11,192	130,158	585	2,094	1,359	2,427	n.a.	n.a.
1977.....	564,894	43,124	25,618	9,885	12,215	120,388	534	2,209	1,387	2,591	n.a.	n.a.
1978.....	675,415	46,779	28,689	17,447	27,891	126,045	1,225	2,082	1,743	2,454	n.a.	n.a.
1979.....	713,354	45,890	28,721	19,714	46,268	113,518	1,575	2,434	1,849	4,695	n.a.	n.a.
1980.....	642,268	42,729	17,799	15,482	93,143	98,529	1,990	2,929	2,230	4,562	3,116	924,777
1981.....	544,610	34,932	23,303	14,384	98,226	94,102	1,496	1,935	2,103	3,560	4,291	822,942
1982.....	607,184	37,747	17,402	8,649	125,282	96,831	1,547	2,372	2,242	2,823	4,408	906,487
1983.....	565,997	59,073	16,766	8,752	121,707	125,593	2,300	2,176	1,911	3,935	3,606	911,814
1984.....	516,960	57,863	19,864	8,693	207,703	142,423	3,372	2,243	2,121	5,707	5,088	972,037
1985.....	594,476	64,277	18,314	15,565	254,538	160,802	6,312	2,192	2,672	5,622	5,305	1,130,075
1986.....	637,718	45,779	20,778	16,596	263,488	151,730	8,221	2,640	2,849	6,475	4,621	1,160,895
1987.....	671,152	56,653	17,450	17,204	302,392	145,464	9,387	2,688	4,222	9,590	4,126	1,240,328
1988.....	703,415	66,919	10,367	19,239	282,728	139,847	10,214	2,906	2,732	8,905	3,977	1,251,249
1989 ²	638,999	68,710	1,434	20,917	135,922	197,518	21,253	2,656	2,620	11,102	20,013	1,121,144

¹ May not add due to rounding. ² Preliminary. n.s.e. not specified elsewhere. n.a. not available.
Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 451.—Meat: International trade, selected countries, 1987-89 ¹

Continent and country	1987		1988		1989 ²	
	Exports	Imports	Exports	Imports	Exports	Imports
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:						
Canada.....	394	157	405	170	407	175
Costa Rica.....	27	0	23	0	21	0
Dominican Republic.....	9	0	15	0	13	0
El Salvador.....	2	0	1	0	1	0
Guatemala.....	12	0	10	0	16	0
Honduras.....	9	0	10	0	9	0
Mexico.....	0	6	0	34	4	108
United States.....	327	1,602	402	1,630	606	1,421
Total ³	780	1,765	866	1,834	1,077	1,704
South America:						
Argentina.....	294	0	327	0	369	0
Brazil.....	304	156	567	30	304	220
Colombia.....	12	0	4	0	10	0
Uruguay.....	104	0	142	0	177	0
Venezuela.....	0	21	6	8	1	3
Total ³	714	177	1,046	38	861	223

See footnotes at end of table.

Table 451.—Meat: International trade, selected countries, 1987-89 ¹—Continued

Continent and country	1987		1988		1989 ²	
	Exports	Imports	Exports	Imports	Exports	Imports
	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons	1,000 metric tons
Europe:						
Belgium-Luxembourg.....	424	78	464	76	484	81
Denmark.....	986	29	1,005	37	990	46
France.....	604	829	630	869	586	908
Germany, Fed. Rep. of.....	600	880	621	940	748	952
Greece.....	0	246	0	232	1	239
Ireland.....	496	30	431	29	478	39
Italy.....	168	952	153	906	141	974
Netherlands.....	1,265	109	1,309	132	1,357	119
United Kingdom.....	313	1,036	270	1,081	301	1,033
Portugal.....	0	36	0	57	1	63
Spain.....	19	90	35	93	51	127
Total EC.....	4,875	4,315	4,918	4,452	5,138	4,581
Austria.....	63	2	63	3	53	7
Finland.....	39	0	20	4	20	3
Sweden.....	42	28	45	37	53	27
Switzerland.....	6	20	1	18	2	14
Total other Europe ³	150	50	129	62	128	51
Bulgaria.....	17	0	18	0	16	0
Czechoslovakia.....	73	15	78	15	93	25
German Dem. Rep.....	333	0	315	9	321	0
Hungary.....	170	13	172	18	184	15
Poland.....	128	14	131	50	140	121
Romania.....	310	0	305	0	320	0
Yugoslavia.....	58	55	61	95	85	97
Total Eastern Europe ³	1,089	97	1,080	187	1,159	258
Total Europe ³	6,114	4,462	6,127	4,701	6,425	4,890
Soviet Union ⁴	14	495	13	353	11	355
Africa:						
Egypt.....	0	237	0	154	0	145
South Africa.....	1	50	1	71	1	33
Total ³	1	287	1	225	1	178
Asia:						
China.....	238	0	227	0	261	0
Hong Kong.....	1	281	1	313	2	292
India.....	79	0	69	0	70	0
Israel.....	8	41	4	44	8	38
Japan.....	0	869	0	994	0	1,150
Korea, Rep. of.....	19	16	33	45	38	111
Philippines.....	0	7	0	9	0	10
Saudi Arabia.....	4	72	5	43	6	48
Singapore.....	6	42	4	40	8	47
Taiwan.....	194	39	178	46	150	44
Turkey.....	23	23	21	12	16	20
Total ³	572	1,390	542	1,546	559	1,760
Oceania:						
Australia.....	1,122	0	1,102	0	1,069	0
New Zealand.....	922	2	901	3	908	2
Total ³	2,044	2	2,003	3	1,977	2
Total selected countries ³	8,745	6,636	8,686	6,828	8,973	7,185

¹ Carcass weight equivalent of beef and veal, pork, and lamb, mutton and goat meat. Excludes fat, offals, and live animals. ² Preliminary. ³ Totals may not add due to rounding. ⁴ Estimate based on trading partner data. Reported on product weight bases.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 452.—Meats and lard: Production and consumption, United States, 1975-89 ¹

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975.....	23,975	25,734	119.2	873	897	4.2	411	436	2.0
1976.....	25,969	27,841	127.7	852	871	4.0	371	401	1.8
1977.....	25,279	27,268	123.8	833	852	3.9	350	373	1.7
1978.....	24,241	26,289	118.1	631	655	2.9	310	344	1.6
1979.....	21,447	23,760	105.6	435	457	2.0	291	335	1.5
1980.....	21,643	23,560	103.4	400	419	1.8	318	352	1.5
1981.....	22,389	24,013	104.3	435	448	2.0	338	364	1.6
1982.....	22,536	24,173	104.0	448	465	2.0	365	387	1.7
1983.....	23,243	24,862	105.9	453	466	2.0	375	389	1.7
1984.....	23,598	25,047	105.7	495	508	2.2	379	401	1.7
1985.....	23,728	25,523	106.7	515	534	2.2	359	388	1.6
1986.....	24,371	25,987	107.6	524	551	2.3	338	377	1.6
1987.....	23,566	25,257	103.5	429	450	1.8	315	363	1.5
1988.....	23,589	25,252	102.5	396	412	1.7	335	387	1.6
1989.....	23,087	24,326	97.8	355	356	1.4	347	406	1.6

Year	Pork			All meats			Lard		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975.....	11,779	12,065	55.9	37,038	39,132	181.1	1,012	633	3.0
1976.....	12,688	12,878	59.1	39,880	41,990	192.6	1,060	585	2.7
1977.....	13,248	13,420	60.9	39,710	41,913	190.3	1,038	510	2.3
1978.....	13,393	13,542	60.8	38,575	40,831	183.4	1,006	486	2.2
1979.....	15,451	15,626	69.4	37,624	40,179	178.5	1,129	569	2.5
1980.....	16,617	16,844	74.0	38,978	41,175	180.8	1,207	588	2.6
1981.....	15,873	16,220	70.5	39,035	41,046	178.4	1,159	573	2.5
1982.....	14,229	14,686	63.2	37,578	39,710	170.8	1,011	586	2.5
1983.....	15,199	15,577	66.3	39,270	41,294	175.9	973	487	2.1
1984.....	14,812	15,617	65.9	39,284	41,574	175.4	939	491	2.1
1985.....	14,807	15,865	66.3	39,409	42,311	176.8	927	425	1.8
1986.....	14,063	15,140	62.7	39,296	42,055	174.0	876	417	1.7
1987.....	14,374	15,362	63.0	38,684	41,430	170.0	863	440	1.8
1988.....	15,684	16,559	66.6	40,004	42,610	173.0	932	429	1.7
1989.....	15,759	16,576	63.4	39,602	41,664	167.5	935	442	1.8

¹ Carcass weight equivalent or dressed weight. Beginning 1977, pork production was no longer reported as "pork, excluding lard." This series has been revised to reflect pork production in prior years on a dressed weight basis that is comparable with the method used to report beef, veal, and lamb and mutton. Edible offals are excluded. Shipments to the U.S. territories are included in domestic consumption.

Economic Research Service.

Table 453.—Meat: United States exports and imports into the United States, carcass weight equivalent, 1975-89 ¹

Year	Exports				Imports				
	Beef and veal	Lamb and mutton	Pork ²	All meat	Beef	Veal	Lamb and mutton	Pork ²	All meat
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	53	4	211	268	1,758	24	27	439	2,248
1976.....	90	4	316	410	2,073	22	36	469	2,601
1977.....	103	5	294	401	1,939	24	22	440	2,425
1978.....	163	3	288	454	2,297	25	39	495	2,856
1979.....	170	2	291	462	2,405	26	44	499	2,975
1980.....	177	2	252	430	2,064	21	33	550	2,668
1981.....	221	2	307	531	1,743	18	31	541	2,333
1982.....	254	2	214	470	1,939	19	21	612	2,591
1983.....	276	2	220	497	1,931	19	18	699	2,666
1984.....	386	2	164	501	1,823	24	20	954	2,821
1985.....	382	1	128	461	2,071	20	36	1,128	3,255
1986.....	526	2	86	614	2,129	27	41	1,122	3,319
1987.....	604	1	109	721	2,269	24	44	1,195	3,532
1988.....	680	1	195	886	2,379	27	51	1,137	3,594
1989.....	1,023	2	262	1,287	³ 2,175	(³)	63	896	3,134

¹ Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Includes shipments to U.S. Territories are included in domestic consumption. ² The pork series has been revised to a dressed weight equivalent rather than "Pork, excluding lard." (See Footnote 1, table 452.) ³ Beginning in 1989 the Harmonic codes combines beef and veal.

Economic Research Service. Data on imports and commercial exports are computed from records of the U.S. Department of Commerce, those on exports by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

Table 454.—Hides, packer: Average price per hundred pounds, Central U.S., 1975-89

Year	Steers					Cows/heifers		
	Heavy native	Light native	Heavy Texas	Butt branded	Colorado branded	Heavy ¹ native	Light ¹ native	Branded ²
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	23.25	.....	.....	20.67	18.82	21.60	23.80	17.51
1976.....	36.11	.....	.....	33.41	31.33	36.25	40.65	33.02
1977.....	37.29	.....	.....	36.21	34.75	39.21	51.00	36.04
1978.....	46.54	.....	.....	41.83	42.64	45.55	51.42	45.24
1979.....	72.68	88.95	.....	66.94	62.51	76.38	88.89	68.74
1980.....	45.70	50.85	44.18	42.33	38.95	47.07	54.02	43.44
1981.....	44.19	50.80	44.18	42.19	40.19	46.07	52.38	42.99
1982.....	42.31	49.82	41.33	39.82	37.17	45.10	49.41	41.78
1983.....	50.21	57.55	48.10	46.05	45.02	53.48	60.72	51.14
1984.....	61.02	.....	57.90	58.46	54.02	67.02	.....	64.98
1985.....	54.69	.....	54.59	51.24	49.83	57.55	61.56	55.00
1986.....	64.09	.....	63.60	61.32	59.40	68.06	68.78	60.64
1987.....	79.92	.....	77.66	78.03	74.04	83.43	88.50	81.00
1988.....	87.99	89.56	85.66	81.88	79.20	86.50	96.89	85.60
1989.....	90.25	.....	83.16	79.83	75.64	83.16	90.00	74.73

¹ Heifers. ² Cows.

Agricultural Marketing Service.

Table 455.—Hides and skins: United States imports and exports, 1975-89

Year	Imports				Exports			
	Calf and kip	Cattle ¹	Goat and kid	Sheep and lamb ²	Calf	Kip	Cattle ³	Sheep and lamb ²
	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces	1,000 pieces
1975.....	222	959	879	15,520	2,051	352	21,269	4,571
1976.....	93	962	1,255	16,615	1,657	505	25,270	3,409
1977.....	91	932	1,137	15,468	2,052	447	24,484	836
1978.....	179	704	1,762	17,807	2,079	351	24,792	⁴ 1,444
1979.....	126	673	2,444	15,529	1,970	352	23,731	2,279
1980.....	64	880	519	9,027	2,205	290	19,568	1,675
1981.....	99	1,028	821	14,237	2,542	485	19,703	1,232
1982.....	118	657	661	8,374	2,919	459	23,168	2,429
1983.....	138	664	222	7,935	2,204	442	21,861	2,003
1984.....	121	711	412	7,424	2,112	478	25,889	3,197
1985.....	173	1,044	388	6,259	2,234	486	25,428	2,538
1986.....	178	767	426	5,575	2,419	634	26,828	3,436
1987.....	256	488	467	4,649	2,200	874	24,255	5,588
1988.....	460	642	296	4,337	2,043	791	24,687	2,476
1989 ⁴	167	1,424	293	3,452	⁵ 6,854	⁶ n.a.	23,234	4,222

¹ Excludes pieces of cattle hides reported in units of pounds. ² Includes cabretta and hair sheepskins.

³ Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978. ⁴ Preliminary. ⁵ This estimate for calf skin exports is presently under review by USDA and the Bureau of Census. ⁶ Under the new harmonized system kip skin exports are included with calf skin exports. n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 456.—Hides and skins: United States imports by country of origin, 1987-89

Country of origin	1987	1988	1989 ¹	Country of origin	1987	1988	1989 ¹
	1,000 pieces	1,000 pieces	1,000 pieces		1,000 pieces	1,000 pieces	1,000 pieces
Cattle hides: ²				Sheep and lambs: ³			
Canada.....	338	477	852	Afghanistan.....	0	0	0
Honduras.....	0	0	0	Ethiopia.....	765	507	174
Other countries.....	150	165	572	United Kingdom.....	34	247	189
Total.....	488	642	1,424	South Africa.....	0	0	0
				Iran.....	188	63	0
Calf and kip:				Australia.....	319	114	174
Canada.....	168	208	163	New Zealand.....	2,024	1,370	1,426
Other countries.....	87	252	4	Germany, Fed. Rep. of.....	24	0	13
Total.....	256	460	167	France.....	226	207	38
				Argentina.....	26	5	16
Goat and kid:				Canada.....	158	192	216
Botswana.....	23	11	18	Sudan.....	345	634	717
Haiti.....	36	73	10	Nigeria.....	390	291	94
Sudan.....	12	58	4	Other countries.....	469	796	568
Greece.....	28	54	87				
Iran.....	156	0	0	Total.....	4,968	4,425	3,625
China.....	26	16	0				
Other countries.....	186	84	173				
Total.....	467	296	293				

¹ Preliminary. ² Excludes pieces of cattle hides reported in units of pounds. ³ Includes cabretta and hair

sheepskins; excludes pieces of sheep and lamb skins reported in pounds.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 457.—Hides and skins: United States exports by country of destination, 1987-89

Country of destination	1987	1988	1989 ¹	Country of destination	1987	1988	1989 ¹
	<i>1,000 pieces</i>	<i>1,000 pieces</i>	<i>1,000 pieces</i>		<i>1,000 pieces</i>	<i>1,000 pieces</i>	<i>1,000 pieces</i>
Cattle hides: ²				Calf skins:			
Canada	829	734	588	Canada	137	127	314
Mexico	1,427	1,833	1,282	Mexico	109	68	630
France	149	93	17	Czechoslovakia	0	0	15
Germany, Fed. Rep. of	54	96	68	Germany, Fed. Rep. of	0	0	12
Italy	391	299	343	Italy	712	818	611
Spain	144	118	42	Korea, Rep. of	18	2	1,725
Romania	292	624	1,154	Spain	5	25	0
Taiwan	3,159	2,471	1,844	Japan	1,041	872	1,095
Korea, Rep. of	10,139	9,961	10,313	Other countries	179	131	2,451
Japan	5,928	7,012	6,206	Total	2,200	2,043	6,854
Czechoslovakia	315	245	258				
Other countries	1,121	878	1,119	Kip skins:			
Total	23,949	24,363	23,234	Canada	56	51	⁴ n.a.
Sheep and lamb skins: ³				Korea, Rep. of	34	10	n.a.
Canada	128	109	283	Italy	35	77	n.a.
Japan	542	314	957	Germany, Fed. Rep. of	0	1	n.a.
Brazil	0	0	0	Hungary	0	0	n.a.
Germany, Fed. Rep. of	18	64	26	Japan	651	549	n.a.
Italy	1,912	658	185	Other countries	97	102	n.a.
United Kingdom	347	98	14	Total	874	791	n.a.
Poland	47	32	0				
Other countries	2,594	1,202	2,756				
Total	5,588	2,476	4,222				

¹ Preliminary. ² Excludes pieces of cattle hides reported in units of pounds. ³ Schedule B numbers 211.6000 and 211.7000 have been dropped from hides and skins count due to Schedule B changes implemented January 1, 1978.

⁴ Under the new harmonized system kip skin exports are included with calf skin exports. n.a. not available.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 458.—Livestock and poultry inventory: Index numbers, United States, Jan. 1, 1977-90 ¹

[1977=100]

Year	Total livestock and poultry	Meat animals	Milk cattle ²	Poultry	Year	Total livestock and poultry	Meat animals	Milk cattle ²	Poultry
1977.....	100	100	100	100	1984.....	94	94	104	97
1978.....	96	96	99	102	1985.....	90	90	102	99
1979.....	93	92	99	106	1986.....	⁴ 87	87	105	⁴ 98
1980.....	94	94	99	108	1987 ³	⁴ 84	84	99	⁴ 98
1981.....	96	96	101	106	1988.....	(⁵)	(⁵)	(⁵)	(⁵)
1982.....	96	96	103	103	1989.....	(⁵)	(⁵)	(⁵)	(⁵)
1983.....	95	94	103	101	1990.....	(⁵)	(⁵)	(⁵)	(⁵)

¹ For method of combining species and weights in construction of these index numbers see Agricultural Handbook No. 365, Volume II, major statistical series of the U.S. Department of Agriculture, April 1970. Weights based on 1967 sales values relative to milk cows are as follows: Milk cows, 1.00; beef cattle and calves, 0.71; hogs, 0.17; sheep and lambs, 0.07; chickens, 0.001; and turkey breeder hens, 0.014. Index computations for Jan. 1 uses turkey breeder hens, all chickens (excluding commercial broilers), and hogs and pigs on hand Dec. 1 preceding year. ² Weights for milk cattle are as follows: Milk cows, 1.00; heifers weighing 500 lbs. and over, 0.56. ³ Preliminary. ⁴ Excludes turkey breeder hens due to discontinued estimates. ⁵ Data discontinued.

National Agricultural Statistics Service.

Table 459.—Mink pelts: Number produced by color class, major States, and United States, 1989 ¹

State	Stand- ard	Ranch wild	Demi- buff ¹	Pastel	Pale brown	Sap- phire	Gun- metal	Mahog- any	Pearl	Laven- der Hope	Pink	Violet type	White	Miscel- laneous and unclas- sified	Total pelts
ID.....	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
IL.....	95,200	65,000	53,800	11,100	2,500	4,600	15,500	22,600	4,100	.....	1,600	1,600	5,400	2,000	285,000
IN.....	87,000	(²)	(²)	(²)	.....	.....	(²)	(²)	(²)	.....	.....	.....	(²)	.....	190,800
IA.....	11,600	(²)	(²)	(²)	.....	.....	(²)	(²)	(²)	.....	.....	.....	(²)	.....	17,300
LA.....	79,900	10,800	13,700	15,100	.....	7,500	10,200	12,900	15,800	.....	.....	12,700	900	100	179,000
MA.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,200
MI.....	87,900	16,800	17,500	5,600	.....	(²)	(²)	26,500	5,000	.....	.....	12,000	6,100	(²)	184,000
MN.....	223,500	179,000	21,100	11,300	.....	5,800	29,400	35,300	4,400	.....	.....	12,000	13,500	.....	545,000
NV.....	55,300	9,000	12,500	2,000	.....	1,100	3,200	7,700	1,200	(²)	(²)	5,700	(²)	.....	97,100
NY.....	74,300	.....	3,700	5,900	(²)	1,000	(²)	33,600	.....	.....	.....	1,900	.....	.....	128,900
OH.....	103,500	(²)	3,500	2,700	.....	22,000	97,000	6,800	.....	.....	(²)	13,400	.....	.....	265,000
OR.....	42,800	8,700	14,800	9,200	(²)	14,000	26,100	27,700	4,000	(²)	9,000	5,700	(²)	(²)	169,000
PA.....	36,800	.....	.....	4,400	.....	.....	(²)	(²)	(²)	.....	.....	.....	.....	.....	94,600
SD.....	14,500	8,800	.....	.....	.....	.....	.....	.....	.....	800	.....	.....	.....	800	780,000
UT.....	415,700	43,700	152,900	3,900	.....	10,900	21,100	92,000	3,100	.....	.....	35,100	.....	.....	237,200
WA.....	113,500	33,400	16,100	2,900	.....	3,700	59,500	6,900	(²)	.....	(²)	.....	.....	.....	237,200
WI.....	650,000	70,500	38,000	51,100	500	21,600	37,800	143,500	7,600	9,800	22,000	38,500	63,200	1,000	1,155,100
Other States.....	63,900	110,200	91,600	8,400	4,200	3,700	12,300	113,800	14,200	1,000	26,900	6,400	14,900	1,400	274,200
US.....	2,118,000	583,900	443,700	133,600	7,200	95,900	312,100	529,300	65,400	11,600	59,500	133,000	109,800	5,300	4,602,300

¹ Demi-buff includes crosses of Dark brown, Violet, Pastel, Standard, Pearl or others. ² Included in total to avoid disclosing individual operations.

National Agricultural Statistics Service.

Table 460.—Mink farms, pelts produced and value of mink pelts, United States, 1975-89

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	<i>Number</i>	<i>Thousand</i>	<i>Dollars</i>	<i>Million dollars</i>
1975	1,084	3,067	24.10	73.9
1976	1,015	3,026	29.00	87.8
1977	1,040	3,076	28.30	87.1
1978	1,095	3,358	39.30	132.0
1979	1,105	3,394	41.10	139.5
1980	1,122	3,501	35.30	123.6
1981	(¹)	(¹)	32.20	(¹)
1982	1,116	4,085	28.90	118.1
1983	1,098	4,137	29.90	123.7
1984	1,084	4,220	30.80	130.0
1985	1,042	4,171	28.00	116.8
1986	989	4,096	41.30	170.0
1987	1,027	4,122	43.00	177.2
1988 ²	1,027	4,453	32.30	143.8
1989 ³	952	4,602	25.80	118.7

¹ Data not available for 1981. ² Revised, based on additional information. ³ Preliminary.
National Agricultural Statistics Service.

Table 461.—Livestock: Number of animals slaughtered under Federal inspection and number of whole carcasses condemned, 1975-89

Year	Cattle		Calves		Sheep and lambs		Goats		Hogs		Horses	
	Total	Con-demned ¹	Total	Con-demned ¹	Total	Con-demned ¹	Total	Con-demned ¹	Total	Con-demned ¹	Total	Con-demned ¹
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>
1975	36,904	111.0	3,894	26.6	7,552	32.9	49	.....	64,926	131.2	247	.....
1976	38,992	117.0	4,438	30.8	6,474	27.9	41	.....	70,454	140.4	293	.....
1977	38,717	121.9	4,696	63.3	6,133	31.5	45	0.3	74,019	198.9	317	8.0
1978	36,948	143.0	3,620	54.9	5,169	41.3	45	.6	74,139	257.8	323	2.1
1979	31,504	111.8	2,499	39.4	4,893	30.1	63	.7	85,425	291.1	304	1.9
1980	31,642	108.2	2,294	33.0	5,363	31.9	93	.9	91,882	318.7	274	1.7
1981	32,819	110.9	2,478	31.2	5,789	36.8	63	.5	87,851	279.2	219	.....
1982	33,907	121.3	2,729	37.8	6,273	57.1	84	1.2	79,328	247.8	149	.9
1983	34,816	122.9	2,798	36.1	6,142	31.3	79	.5	84,762	189.1	99	.7
1984	35,880	139.5	3,030	41.3	6,549	36.0	119	1.1	82,478	202.9	105	.5
1985	34,765	122.6	3,168	44.1	5,976	29.8	124	.8	81,974	179.1	128	.7
1986	35,913	132.1	3,195	51.9	5,464	22.9	153	1.0	77,290	168.9	199	1.0
1987	34,468	125.5	2,680	44.2	5,042	21.3	187	1.5	78,913	144.9	276	1.3
1988	34,048	130.7	2,411	39.4	5,122	23.8	224	1.4	85,517	170.1	323	1.2
1989	33,917	139.8	2,172	38.2	5,465	25.2	226	1.5	88,692	181.3	348	1.3

¹ Condemnations for 1974-76 do not include ante-mortem cases of parts of carcasses. Beginning with 1977, condemnations include ante-mortem and post-mortem inspection. Beginning with 1980, condemnations are for the fiscal year ending September 30. Data reported by Food Safety and Inspection Service, USDA.

National Agricultural Statistics Service.

Table 462.—Livestock: Number and value, United States, Jan. 1, 1988-90

Class of livestock and poultry	Number			Value					
	1988	1989	1990 ¹	Per head ²			Total		
				1988	1989	1990 ¹	1988	1989	1990 ¹
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle	99,622	99,180	99,337	523	607	641	52,147,845	60,234,219	63,627,207
Hogs ³	55,299	55,469	53,852	66.30	66.30	79.10	4,158,300	3,677,751	4,258,285
Sheep and lambs	10,945	10,858	11,368	90.00	82.40	79.40	984,961	894,912	903,598
Goats ⁴	1,800	1,850	1,900	60.10	54.20	49.00	108,180	100,270	93,100
Total ⁵							57,399,286	64,907,152	68,882,190
Chickens ⁵	377,727	356,105	355,790	1.87	2.04	2.16	706,131	726,442	769,527
Total ⁶							58,105,417	65,633,594	69,651,717

¹ Preliminary. ² Based on reporters' estimates of average price per head in their localities. ³ Dec. 1 of preceding year. ⁴ Texas only. ⁵ Cattle, hogs, sheep, and goats. ⁶ Includes all cattle, hogs, sheep, goats, and chickens (excluding broilers and turkey breeder hens).

National Agricultural Statistics Service.

CHAPTER VIII

DAIRY AND POULTRY STATISTICS

Dairy statistics in this chapter include series relating to many phases of production, movement, prices, stocks, and consumption of milk and its products. Two series of number of milk cows on farms are included in this publication. One series is an inventory number of a specific classification estimated as one of the major groups making up the total cattle population on January 1. The other series identified as "milk cows" is an annual average number of milk cows during the year (excluding any not yet fresh) and is used in estimating milk production.

In comparing the several series of milk prices, it is important to note that prices received by farmers for all whole milk sold are for milk or milkfat content as actually sold, while certain prices paid by dealers for milk for fluid purposes or for specified manufacturing purposes may be quoted on a 3.5 percent butterfat basis, or for some types of manufacturing milk on the test of the milk used for that particular purpose.

Poultry and poultry products statistics include inventory numbers of chickens by classes; the production, disposition, cash receipts, and gross income from chickens and eggs; poultry and egg receipts at principal markets; commercial broiler production; turkey production, disposition, and gross income; poultry and eggs under Federal inspection; and the National Poultry Improvement Plan. Estimates relating to inventories, production, and income exclude poultry and eggs produced on places not classified as farms.

Table 463.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 1975-90

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements	Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	<i>Thousands</i>	<i>Thousands</i>		<i>Thousands</i>	<i>Thousands</i>
1975.....	11,220	4,087	1983.....	11,047	4,545
1976.....	11,071	3,956	1984.....	11,059	4,533
1977.....	10,998	3,887	1985.....	10,777	4,770
1978.....	10,896	3,886	1986.....	11,116	4,709
1979.....	10,790	3,932	1987.....	10,466	4,305
1980.....	10,758	4,159	1988.....	10,311	4,122
1981.....	10,849	4,342	1989.....	10,212	4,205
1982.....	10,986	4,547	1990 ¹	10,149	4,291

¹ Preliminary.

National Agricultural Statistics Service.

Table 464.—Milk cow rations: Quantities and value of concentrates fed, by States, 1988 and 1989

State	Grain and other concentrates fed during calendar year				Value per 100 pounds of concentrate rations fed during the year	
	Per cow		Per 100 pounds of milk produced		1988	1989
	1988	1989	1988	1989		
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	6,830	6,570	51	54	8.58	9.06
AK.....	7,020	6,700	48	46	12.50	13.15
AZ.....	8,090	8,030	48	48	6.88	7.30
AR.....	6,270	6,070	54	52	8.03	8.36
CA.....	7,360	7,190	40	41	7.25	7.77
CO.....	7,630	8,070	46	48	6.75	7.25
CT.....	5,710	5,550	38	36	9.00	9.14
DE.....	5,950	5,550	41	40	8.19	8.76
FL.....	10,200	10,540	79	78	7.38	7.72
GA.....	5,940	6,330	50	52	8.36	8.72
ID.....	6,100	6,090	39	39	6.25	6.82
IL.....	5,170	5,570	38	40	7.95	7.72
IN.....	5,440	5,780	42	42	7.95	7.70
IA.....	4,910	5,300	40	39	6.80	7.39
KS.....	6,100	5,940	50	47	6.95	7.10
KY.....	5,110	4,910	47	46	8.46	8.90
LA.....	5,990	6,080	56	55	8.46	8.56
ME.....	5,320	5,240	38	37	9.20	9.54
MD.....	4,900	5,030	37	38	8.49	9.09
MA.....	5,640	5,470	39	38	8.88	9.15
MI.....	6,420	6,120	43	41	6.86	7.20
MN.....	5,060	5,370	39	39	6.74	7.54
MS.....	5,600	5,660	48	48	8.20	8.73
MO.....	6,830	6,390	51	49	7.57	8.23
MT.....	5,630	5,390	40	39	6.94	7.31
NE.....	5,830	5,570	44	43	6.66	6.92
NV.....	4,780	4,870	34	33	8.00	8.60
NH.....	4,960	5,860	36	40	8.96	9.30
NJ.....	4,620	4,550	35	35	8.90	9.50
NM.....	8,690	9,090	49	49	6.44	6.80
NY.....	4,590	4,740	33	33	8.86	9.26
NC.....	6,160	6,340	42	43	9.15	9.45
ND.....	5,190	5,270	45	44	5.96	6.06
OH.....	5,390	5,210	41	40	8.02	8.34
OK.....	4,920	5,050	45	41	7.42	8.64
OR.....	5,920	5,880	37	37	8.24	8.78
PA.....	5,550	5,590	39	39	8.79	9.37
RI.....	5,490	5,470	38	37	8.94	9.12
SC.....	5,670	5,880	46	47	8.55	8.85
SD.....	5,160	5,180	43	43	6.64	6.58
TN.....	5,170	5,370	47	48	8.88	9.58
TX.....	7,110	7,100	51	53	7.50	7.82
UT.....	5,680	5,850	36	38	6.56	7.10
VT.....	4,800	5,010	34	35	9.08	9.40
VA.....	5,310	5,290	38	38	9.36	9.56
WA.....	6,790	6,560	37	36	7.60	8.28
WV.....	4,240	4,240	38	38	8.77	9.26
WI.....	5,330	5,240	37	38	7.99	8.49
WY.....	3,750	3,930	30	32	6.04	6.58
US.....	5,820	5,854	41.2	41.1	7.74	8.20

National Agricultural Statistics Service.

Table 465.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by States, Jan. 1, 1989 and 1990

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements		State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	1989	1990 ¹	1989	1990 ¹		1989	1990 ¹	1989	1990 ¹
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>		<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
AL.....	45	40	14	14	NE.....	105	105	30	35
AK.....	1.9	1.4	6	3	NV.....	19	20	8	8
AZ.....	92	91	20	20	NH.....	21	19	10	8
AR.....	68	69	25	24	NJ.....	30	26	12	12
CA.....	1,095	1,115	485	550	NM.....	63	67	16	19
CO.....	75	76	30	30	NY.....	780	790	302	319
CT.....	35	34	14	14	NC.....	107	104	37	38
DE.....	9	9	3	2	ND.....	88	88	21	25
FL.....	182	182	40	35	OH.....	353	354	181	165
GA.....	104	109	40	42	OK.....	101	100	35	30
HI.....	12	11	4	6	OR.....	94	98	44	45
ID.....	170	170	70	85	PA.....	719	694	290	295
IL.....	200	195	80	65	RI.....	2.4	2.2	1.3	1.3
IN.....	167	160	80	70	SC.....	39	37	15	16
IA.....	310	308	125	135	SD.....	144	140	38	37
KS.....	99	98	40	40	TN.....	198	195	80	75
KY.....	212	210	80	85	TX.....	380	390	120	120
LA.....	88	85	25	25	UT.....	74	60	42	49
ME.....	44	43	20	17	VT.....	170	167	53	56
MD.....	109	106	43	40	VA.....	144	141	80	83
MA.....	30	31	10	9	WA.....	216	221	104	102
MI.....	345	344	157	154	WV.....	26	25	10	10
MN.....	770	715	350	335	WI.....	1,740	1,760	795	810
MS.....	68	63	26	21	WY.....	10	10	2	2
MO.....	233	226	90	105	US.....	10,212	10,149	4,205	4,291
MT.....	25	24	7	7					

¹ Preliminary.

National Agricultural Statistics Service.

Table 466.—Dairy product-feed price ratios: Milk-feed; dairy feed, 16%; Milk-feed price ratios and value per 100 pounds of grain and concentrate rations fed to milk cows, United States, annual 1975-89

Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio ^{1 2}	Value per 100 pounds of grain and concentrates fed to milk cows	Year	Milk price cwt.	16% dairy feed price cwt.	Milk-feed price ratio ^{1 2}	Value per 100 pounds of grain and concentrates fed to milk cows
	<i>Dollars</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>		<i>Dollars</i>	<i>Dollars</i>	<i>Pounds</i>	<i>Dollars</i>
1975.....	8.75	6.75	1.31	6.25	1983.....	13.58	9.40	1.45	7.88
1976.....	9.66	7.05	1.37	6.31	1984.....	13.46	9.55	1.41	8.16
1977.....	9.72	7.00	1.39	6.20	1985.....	12.75	8.40	1.52	7.35
1978.....	10.60	6.90	1.53	6.68	1986.....	12.50	8.00	1.57	7.00
1979.....	12.02	7.80	1.55	6.68	1987.....	12.54	7.70	1.63	6.80
1980.....	13.05	8.85	1.48	7.42	1988.....	12.20	9.10	1.34	7.74
1981.....	13.77	9.60	1.44	8.02	1989.....	13.56	9.43	1.44	8.20
1982.....	13.61	8.85	1.54	7.45					

¹ Annual ratios based on average of monthly ratios.² Pounds of 16% mixed dairy feed equal in value to one pound of whole milk.

National Agricultural Statistics Service.

Table 467.—Official National Cooperative Dairy Herd Improvement Program testing plans: Numbers of herds and cows and milk, fat, and protein production, United States, 1975-89

Year	Herds	Cows	Cows per herd	Average production		Cows with protein information	Average protein production	
				Milk	Fat			
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>	<i>Percent</i>	<i>Pounds</i>
1975.....	32,232	2,438,365	75.7	13,632	3.75	511		
1976.....	33,755	2,581,164	76.5	14,435	3.73	539		
1977.....	34,972	2,704,064	77.3	14,631	3.70	542		
1978.....	36,105	2,792,175	77.3	14,644	3.70	542		
1979.....	37,576	2,966,558	78.9	14,786	3.70	547		
1980.....	39,524	3,197,353	80.8	14,960	3.70	553		
1981.....	40,933	3,382,977	82.6	15,134	3.68	558	2	3.28
1982.....	41,029	3,431,507	83.6	15,274	3.69	564	24	3.27
1983.....	40,745	3,446,570	84.6	15,520	3.68	572	41	3.27
1984.....	39,100	3,262,174	83.4	15,587	3.70	577	60	3.25
1985.....	37,661	3,322,771	88.2	16,279	3.69	600	70	3.23
1986.....	34,779	3,102,698	89.2	16,654	3.67	612	79	3.23
1987.....	34,413	3,160,551	91.8	17,008	3.68	625	86	3.22
1988.....	34,020	3,168,186	93.1	17,379	3.68	640	88	3.22
1989.....	33,528	3,212,684	95.8	17,612	3.70	652	89	3.22

Agricultural Research Service.

Table 468.—Cattle: Tuberculin tests in cooperation with States, 1975-89

Year	Tuberculin Tests						Infected and exposed ¹ herds (fiscal year)
	Herds and lots	Cattle	Reactors reported				
			Herds and lots		Cattle		
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>
1975.....	94,769	2,367,458	158	0.17	1,306	0.06	47
1976.....	103,441	2,484,550	298	.29	1,879	.08	52
1977.....	98,483	2,322,110	175	.18	3,967	.17	29
1978.....	103,037	2,307,487	92	.09	490	.02	28
1979.....	108,813	2,422,334	54	.05	688	.03	17
1980.....	108,535	2,279,974	54	.05	1,668	.07	6
1981.....	106,715	2,221,228	57	.05	147	.01	13
1982.....	100,156	2,253,751	39	.04	187	.01	11
1983.....	92,333	2,172,572	46	.05	721	.03	14
1984.....	87,691	2,167,018	37	.04	244	.01	7
1985.....	38,961	2,413,451	58	.10	597	.02	30
1986.....	68,026	1,655,111	66	.10	308	.03	22
1987.....	52,659	1,361,793	29	.06	99	.01	17
1988.....	80,211	1,918,837	97	.12	457	.02	9
1989.....	72,091	1,580,438	28	.04	515	.04	13

¹ All methods of surveillance and detection.

Animal and Plant Health Inspection Service.

Table 469.—Cattle: Brucellosis work in cooperation with States, 1974-89

Year	Milk ring tests ¹			Market cattle blood tests		
	Herd tests	Suspicious herd tests		Cattle tested	Reactor cattle	
	Number	Number	Percent	Number	Number	Percent
1974.....	881,195	2,247	0.3	10,007,454	72,348	0.7
1975.....	841,392	2,642	.3	13,524,598	90,949	.7
1976.....	730,737	2,096	.3	13,939,367	88,443	.6
1977.....	760,576	2,272	.3	13,608,558	71,994	.5
1978.....	849,527	2,285	.3	13,325,356	70,997	.5
1979.....	763,439	2,315	.3	10,462,153	52,236	.5
1980.....	805,507	3,357	.4	11,290,190	50,369	.4
1981.....	826,745	4,676	.6	11,589,338	50,010	.4
1982.....	938,779	3,295	.4	12,871,496	51,876	.4
1983.....	958,532	3,494	.4	13,571,664	45,752	.3
1984.....	853,123	2,450	.3	14,896,290	42,290	.3
1985.....	845,518	2,041	.2	13,475,371	37,293	.3
1986.....	820,301	2,975	.4	13,505,732	33,835	.3
1987.....	695,948	2,422	.3	13,051,618	36,145	.3
1988.....	588,959	1,955	.3	12,290,294	24,946	.2
1989.....	634,692	1,980	.3	11,411,391	17,625	.2

Year	Cattle blood tested on farm or ranch ²						Adjusted cattle infection rate ³	Calves vaccinated
	Herd or lot tests	Infected herds or lots		Cattle tested	Reactor cattle			
	Number	Number	Percent	Number	Number	Percent	Percent	Number
1974.....	228,897	34,144	14.9	6,073,077	157,027	2.6	0.9	4,010,475
1975.....	238,184	37,117	15.6	6,947,008	181,214	2.6	.9	3,720,441
1976.....	258,710	36,901	14.3	7,454,452	181,165	2.4	.9	3,779,108
1977.....	268,750	32,904	12.2	7,247,352	168,607	2.3	.8	3,780,309
1978.....	271,335	28,846	10.6	6,895,966	154,877	2.2	.8	4,269,151
1979.....	266,991	27,567	10.3	6,713,199	141,665	2.1	.7	5,341,033
1980.....	279,053	28,692	10.3	7,249,853	148,019	2.0	.8	6,355,745
1981.....	292,495	26,488	9.1	7,509,101	136,148	1.8	.3	7,090,102
1982.....	264,508	23,767	9.0	6,632,461	121,635	1.8	.6	7,675,006
1983.....	243,395	19,962	8.2	6,163,513	102,180	1.7	.5	8,353,098
1984.....	206,997	15,511	7.5	5,339,039	75,864	1.4	.4	9,203,815
1985.....	186,491	12,141	6.5	5,003,729	61,466	1.2	.3	9,214,216
1986.....	167,671	9,343	5.6	4,628,755	46,558	1.0	.3	8,704,296
1987.....	145,058							9,479,496
1988.....	142,263							8,556,000
1989.....								4,666,162

¹ Represents multiple milk ring tests each year for the commercial dairy herd. ² Includes an increasing proportion of herds tested each year because of suspicious milk ring or market cattle test results. ³ Percent of cattle infected based on results of tests conducted on farm and ranch, livestock markets, slaughter plants, and negative cattle represented under the milk ring testing program.

Animal and Plant Health Inspection Service.

Table 470.—Milk and milkfat production: Number of producing cows, yield per cow, and total quantity produced, United States, 1975–89

Year	Number of milk cows ¹	Production of milk and milkfat ²				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	11,139	10,360	381	3.68	115,398	4,240
1976.....	11,032	10,894	399	3.66	120,180	4,402
1977.....	10,945	11,206	410	3.65	122,654	4,481
1978.....	10,803	11,243	412	3.67	121,461	4,455
1979.....	10,734	11,492	420	3.66	123,350	4,512
1980.....	10,799	11,891	435	3.65	128,406	4,692
1981.....	10,898	12,183	444	3.64	132,770	4,836
1982.....	11,011	12,306	450	3.65	135,505	4,950
1983.....	11,059	12,622	461	3.66	139,588	5,102
1984.....	10,793	12,541	460	3.66	135,351	4,960
1985.....	10,981	13,024	478	3.67	143,012	5,244
1986.....	10,773	13,285	487	3.67	143,124	5,249
1987.....	10,327	13,819	505	3.65	142,709	5,213
1988.....	10,262	14,145	520	3.67	145,152	5,333
1989 ³	10,127	14,244	525	3.68	144,252	5,315

¹ Average number during year, excluding heifers not yet fresh. ² Excludes milk sucked by calves. ³ Preliminary.

National Agricultural Statistics Service.

Table 471.—Milk: Quantities used and marketed by farmers, United States, 1975–89

Year	Milk used on farms where produced			Milk marketed by producers			
	Fed to calves ¹	Consumed as fluid milk or cream	Total	Sold to plants and dealers ²		Sold directly to consumers ³	Total
				As whole milk	As farm separated cream		
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
1975.....	1,566	1,495	3,061	110,460	314	1,563	112,337
1976.....	1,567	1,392	2,959	115,479	230	1,512	117,221
1977.....	1,541	1,283	2,824	118,154	182	1,495	119,831
1978.....	1,497	1,168	2,665	117,203	102	1,490	118,795
1979.....	1,442	1,040	2,483	119,379	(⁴)	1,489	120,869
1980.....	1,395	943	2,338	124,598	(⁴)	1,470	126,067
1981.....	1,418	886	2,304	128,994	(⁴)	1,472	130,467
1982.....	1,521	839	2,361	131,859	(⁴)	1,285	133,144
1983.....	1,520	839	2,359	136,014	(⁴)	1,214	137,228
1984.....	2,129	802	2,931	131,280	(⁴)	1,140	132,421
1985.....	1,745	709	2,454	139,307	(⁴)	1,251	140,558
1986.....	1,714	674	2,388	139,559	(⁴)	1,175	140,735
1987.....	1,589	659	2,258	139,253	(⁴)	1,197	140,450
1988.....	1,620	623	2,242	141,775	(⁴)	1,134	142,910
1989 ⁵	1,519	579	2,098	141,065	(⁴)	1,069	142,135

¹ Excludes milk sucked by calves. ² Includes milk produced by dealers' own herds. ³ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds.

⁴ Equivalent amount of milk included in whole milk to plants and dealers. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 472.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1988

State	Number of milk cows ¹	Production of milk and milkfat ²				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL.....	44	11,909	435	3.65	524	19.1
AK.....	2.1	14,619	506	3.46	30.7	1.1
AZ.....	89	16,854	632	3.75	1,500	56.3
AR.....	68	11,603	414	3.57	789	28.2
CA.....	1,083	17,181	629	3.66	18,607	681.0
CO.....	74	16,581	613	3.70	1,227	45.4
CT.....	36	15,028	562	3.74	541	20.2
DE.....	9.3	14,516	537	3.70	135.0	5.0
FL.....	182	12,912	457	3.54	2,350	83.2
GA.....	104	11,875	436	3.67	1,235	45.3
HI.....	12.0	13,333	463	3.47	160.0	5.6
ID.....	168	15,643	566	3.62	2,628	95.1
IL.....	206	13,617	498	3.66	2,805	102.7
IN.....	172	12,988	483	3.72	2,234	83.1
IA.....	307	13,160	475	3.61	4,040	145.8
KS.....	99	12,818	468	3.65	1,269	46.3
KY.....	212	10,976	405	3.69	2,327	85.9
LA.....	87	10,690	381	3.56	930	33.1
ME.....	46	14,000	531	3.79	644	24.4
MD.....	107	13,486	499	3.70	1,443	53.4
MA.....	33	13,970	527	3.77	461	17.4
MI.....	350	14,937	547	3.66	5,228	191.3
MN.....	783	13,299	484	3.64	10,413	379.0
MS.....	68	11,676	425	3.64	794	28.9
MO.....	230	13,043	477	3.66	3,000	109.8
MT.....	25	14,080	493	3.50	352	12.3
NE.....	105	12,990	477	3.67	1,364	50.1
NV.....	19.0	14,622	531	3.63	278.0	10.1
NH.....	22	13,818	525	3.80	304	11.6
NJ.....	30	13,200	483	3.66	396	14.5
NM.....	62	17,726	633	3.57	1,099	39.2
NY.....	794	14,413	530	3.68	11,444	421.1
NC.....	106	14,670	549	3.74	1,555	58.2
ND.....	92	11,543	421	3.65	1,062	38.8
OH.....	351	13,632	503	3.69	4,785	176.6
OK.....	101	11,683	423	3.62	1,180	42.7
OR.....	94	15,989	603	3.77	1,503	56.7
PA.....	717	14,232	527	3.70	10,204	377.5
RI.....	2.7	14,444	539	3.73	39.0	1.5
SC.....	38	12,553	495	3.94	477	18.8
SD.....	146	11,966	434	3.63	1,747	63.4
TN.....	197	11,234	413	3.68	2,213	81.4
TX.....	375	12,997	468	3.60	4,874	175.5
UT.....	77	15,156	549	3.62	1,167	42.2
VT.....	177	13,497	507	3.76	2,389	89.8
VA.....	145	13,883	508	3.66	2,013	73.7
WA.....	221	17,946	668	3.72	3,966	147.5
WV.....	27	11,148	411	3.69	301	11.1
WI.....	1,760	14,205	527	3.71	25,000	927.5
WY.....	10.0	12,500	456	3.65	125.0	4.6
US ³	10,262	14,145	520	3.67	145,152	5,332.9

¹ Average number during year, excluding heifers not yet fresh.
will not add due to rounding.

² Excludes milk sucked by calves.

³ U.S. total

National Agricultural Statistics Service.

Table 473.—Milk and milkfat production: Number of milk cows, yield per cow, and total quantity produced, by States, 1989 (preliminary)

State	Number of milk cows ¹	Production of milk and milkfat ²				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
AL.....	43	12,163	444	3.65	523	19.1
AK.....	1.6	14,563	489	3.36	23.3	.8
AZ.....	91	16,736	616	3.68	1,523	56.0
AR.....	68	11,676	416	3.56	794	28.3
CA.....	1,104	17,530	642	3.66	19,353	708.3
CO.....	76	16,803	620	3.69	1,277	47.1
CT.....	34	15,412	572	3.71	524	19.4
DE.....	9.2	13,870	513	3.70	127.6	4.7
FL.....	181	13,519	475	3.51	2,447	85.9
GA.....	107	12,178	444	3.65	1,303	47.6
HI.....	11.8	13,051	441	3.38	154.0	5.2
ID.....	171	15,608	573	3.67	2,669	98.0
IL.....	197	13,924	514	3.69	2,743	101.2
IN.....	162	13,772	514	3.73	2,231	83.2
IA.....	309	13,599	494	3.63	4,202	152.5
KS.....	99	12,636	464	3.67	1,251	45.9
KY.....	212	10,684	393	3.68	2,265	83.4
LA.....	86	11,047	393	3.56	950	33.2
ME.....	43	14,163	540	3.81	609	23.2
MD.....	104	13,240	490	3.70	1,377	50.9
MA.....	31	14,387	544	3.78	446	16.9
MI.....	345	14,933	550	3.68	5,152	189.6
MN.....	734	13,771	504	3.66	10,108	370.0
MS.....	65	11,800	430	3.64	767	27.9
MO.....	228	13,048	480	3.68	2,975	109.5
MT.....	24	13,833	491	3.55	332	11.8
NE.....	105	12,932	477	3.68	1,360	50.0
NV.....	19.8	14,747	532	3.61	292.0	10.5
NH.....	20	14,650	557	3.80	293	11.1
NJ.....	28	13,000	475	3.65	364	13.3
NM.....	67	18,552	657	3.54	1,243	44.0
NY.....	776	14,358	533	3.71	11,142	413.4
NC.....	104	14,740	547	3.71	1,533	56.9
ND.....	86	11,977	440	3.67	1,030	37.8
OH.....	350	13,014	482	3.70	4,555	168.5
OK.....	100	12,320	450	3.65	1,232	45.0
OR.....	95	15,884	591	3.72	1,509	56.1
PA.....	698	14,324	529	3.69	9,998	368.9
RI.....	23.0	14,783	551	3.73	34.0	1.3
SC.....	37	12,514	482	3.85	463	17.8
SD.....	143	12,056	440	3.65	1,724	62.9
TN.....	196	11,184	412	3.68	2,192	80.7
TX.....	386	13,394	482	3.60	5,170	186.1
UT.....	76	15,395	556	3.61	1,170	42.2
VT.....	163	14,301	541	3.78	2,331	88.1
VA.....	143	13,923	511	3.67	1,991	73.1
WA.....	225	18,209	676	3.71	4,097	152.0
WV.....	25	11,160	413	3.70	279	10.3
WI.....	1,739	13,801	518	3.75	24,000	900.0
WY.....	10.1	12,277	446	3.63	124.0	4.5
US ³	10,127	14,244	525	3.68	144,252	5,314.9

¹ Average number during year, excluding heifers not yet fresh.² Excludes milk sucked by calves.³ U.S.

total will not add due to rounding.

National Agricultural Statistics Service.

**Table 474.—Milk: Quantities used and marketed by producers, by States, 1989
(preliminary)**

State	Milk used where produced			Milk marketed by producers		
	Fed to calves ¹	Used for milk, cream, and butter	Total	Sold to plants and dealers ²	Sold directly to consumers ^{3 4}	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
AL.....	2	1	3	520		520
AK.....	.6	.3	.9	22.2	0.2	22.4
AZ.....	7	2	9	1,514		1,514
AR.....	19	6	25	769		769
CA.....	47	8	55	19,000	298	19,298
CO.....	39	19	58	1,189	30	1,219
CT.....	8	2	10	500	14	514
DE.....	1.0	1.0	2.0	125.6		125.6
FL.....	5	2	7	2,440		2,440
GA.....	2	1	3	1,300		1,300
HI.....	1.6	.9	2.5	151.5		151.5
ID.....	42	7	49	2,620		2,620
IL.....	30	5	35	2,708		2,708
IN.....	35	10	45	2,186		2,186
IA.....	90	42	132	4,070		4,070
KS.....	16	5	21	1,230		1,230
KY.....	57	40	97	2,168		2,168
LA.....	11	9	20	930		930
ME.....	11	4	15	585	9	594
MD.....	10	4	14	1,363		1,363
MA.....	5	2	7	422	17	439
MI.....	50	10	60	5,080	12	5,092
MN.....	113	20	133	9,975		9,975
MS.....	3	4	7	755	5	760
MO.....	40	15	55	2,920		2,920
MT.....	7	7	14	315	3	318
NE.....	25	10	35	1,325		1,325
NV.....	3	2	5	281	6	287
NH.....	4	1	5	285	3	288
NJ.....	4	1	5	340		340
NM.....	6	7	13	1,205	25	1,230
NY.....	157	59	216	10,895	31	10,926
NC.....	20	29	49	1,484		1,484
ND.....	26	4	30	1,000		1,000
OH.....	20	10	30	4,510	15	4,525
OK.....	17	13	30	1,202		1,202
OR.....	27	8	35	1,416	58	1,474
PA.....	72	39	111	9,630	257	9,887
RI.....	1		1	30	3	33
SC.....	6	4	10	442	11	453
SD.....	10	6	16	1,708		1,708
TN.....	100	30	130	2,055	7	2,062
TX.....	40	6	46	5,063	61	5,124
UT.....	17	3	20	1,111	39	1,150
VT.....	25	10	35	2,290	6	2,296
VA.....	16	5	21	1,970		1,970
WA.....	21	4	25	3,922	150	4,072
WV.....	5	4	9	265	5	270
WI.....	240	96	336	23,660	4	23,664
WY.....	5	1	6	118		118
US ⁵	1,519	579	2,098	141,065	1,069	142,135

¹ Excludes milk sucked by calves. ² Includes the equivalent amounts of milk for cream sold to plants and dealers and milk produced by dealers' own herds, except for New York and California, where such milk is included as sold directly to consumers. ³ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. ⁴ For States not published, sales are nominal. Included in milk sold to plants. ⁵ Sum of parts may not equal sum of totals due to rounding.

National Agricultural Statistics Service.

Table 475.—Milk: Production in specified countries, 1987-89

Country	Production								
	Milk cows			Yield per cow			Total milk product ¹		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Kilo-grams</i>	<i>Kilo-grams</i>	<i>Kilo-grams</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Argentina.....	2,400	2,360	2,330	2,743	2,614	2,886	6,582	6,168	6,725
Australia ³	1,707	1,697	1,683	3,730	3,711	3,841	6,367	6,297	6,465
Austria.....	976	891	860	3,778	3,726	3,872	3,687	3,320	3,330
Belgium/ Luxembourg....	984	954	935	4,140	4,104	4,241	4,074	3,915	3,965
Brazil.....	14,700	14,700	14,650	905	898	901	13,300	13,200	13,200
Canada.....	1,481	1,467	1,449	5,392	5,609	5,507	7,986	8,229	7,980
Chile.....	600	630	640	1,888	1,832	2,016	1,133	1,154	1,290
China.....	1,846	2,164	2,222	1,788	1,691	1,800	3,301	3,660	4,000
Czechoslovakia...	1,791	1,788	1,785	3,864	3,894	3,978	6,921	6,963	7,100
Denmark.....	811	774	763	5,993	6,123	6,221	4,860	4,739	4,747
Finland.....	580	535	502	5,066	5,086	5,201	2,938	2,721	2,611
France.....	6,359	5,841	5,820	4,269	4,451	4,433	27,146	26,000	25,800
Germany, Dem. Rep. of.....	2,045	2,012	2,010	4,576	4,589	4,579	9,358	9,234	9,203
Germany, Fed. Rep. of.....	5,277	5,059	4,950	4,631	4,739	4,897	24,436	23,974	24,242
Greece.....	350	345	343	1,794	1,890	1,933	628	652	663
Hungary.....	585	578	580	4,735	4,824	4,886	2,770	2,788	2,834
India.....	28,500	28,500	29,000	744	772	793	21,200	22,000	23,000
Ireland.....	1,490	1,444	1,387	3,860	3,859	3,965	5,751	5,573	5,500
Italy.....	3,021	3,020	2,973	3,409	3,533	3,565	10,300	10,671	10,600
Japan.....	1,052	1,046	1,065	6,972	7,272	7,568	7,335	7,607	8,060
Mexico.....	6,300	6,200	6,300	1,424	1,424	1,424	8,971	8,830	8,970
Netherlands.....	2,043	1,946	1,886	5,713	5,861	5,992	11,672	11,406	11,301
New Zealand ⁴ ...	2,252	2,280	2,236	3,217	3,481	3,346	7,245	7,936	7,482
Norway.....	357	346	343	5,493	5,514	5,548	1,961	1,908	1,903
Peru.....	700	703	693	936	950	952	655	668	660
Poland.....	4,937	4,806	4,981	3,133	3,215	3,212	15,467	15,450	16,000
Portugal.....	388	402	414	3,229	3,348	3,348	1,253	1,346	1,386
Romania.....	2,111	2,075	2,080	2,025	2,072	2,091	4,275	4,300	4,350
South Africa.....	1,985	1,814	1,850	1,214	1,351	1,349	2,410	2,450	2,495
Soviet Union.....	42,400	42,000	41,800	2,439	2,543	2,586	103,400	106,800	108,100
Spain.....	1,890	1,882	1,860	3,143	3,162	3,226	5,941	5,950	6,000
Sweden.....	576	565	562	6,036	6,097	6,208	3,477	3,445	3,489
Switzerland.....	790	786	783	4,770	4,794	4,819	3,768	3,768	3,773
United Kingdom.....	3,311	3,166	3,142	4,639	4,700	4,668	15,360	14,880	14,666
United States.....	10,327	10,262	10,127	6,268	6,416	6,461	64,732	65,840	65,432
Venezuela.....	1,298	1,300	1,210	1,264	1,382	1,347	1,641	1,796	1,630
Yugoslavia.....	2,610	2,585	2,560	1,815	1,791	1,777	4,736	4,629	4,550
World total.....	160,830	158,923	158,774				427,037	430,267	433,502

¹ May include milk other than cow's milk. ² Preliminary. ³ Year ending June 30. ⁴ Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

**Table 476.—Marketings, income, and value of milk production, by States, 1989
(preliminary)**

State	Milk sold to plants and dealers ¹				Milk sold directly to consumers ²		
	Quantity	Percent fluid grade ²	Price per 100 pounds	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	520	100	14.90	77,480			
AK.....	22.2	100	20.20	4,484	93	70	65
AZ.....	1,514	100	13.60	205,904			
AR.....	769	97	14.60	112,274			
CA.....	19,000	98	12.37	2,350,300	138,605	58	80,391
CO.....	1,189	100	14.70	174,783	13,953	62	8,651
CT.....	500	100	14.30	71,500	6,512	62	4,037
DE.....	125.6	100	14.50	18,212			
FL.....	2,440	100	15.90	387,960			
GA.....	1,300	100	15.10	196,300			
HI.....	151.5	100	20.90	31,663			
ID.....	2,620	72	12.30	322,260			
IL.....	2,708	87	13.60	368,288			
IN.....	2,186	90	13.50	295,110			
IA.....	4,070	75	13.20	537,240			
KS.....	1,230	90	13.20	162,360			
KY.....	2,168	92	13.60	294,848			
LA.....	930	100	14.60	135,780			
ME.....	585	100	14.60	85,410	4,186	53	2,219
MD.....	1,363	100	14.50	197,635			
MA.....	422	100	14.50	61,190	7,907	63	4,981
MI.....	5,080	98	13.60	690,880	5,581	55	3,070
MN.....	9,975	74	13.08	1,304,730			
MS.....	755	98	14.30	107,965			
MO.....	2,920	89	13.30	388,360	2,326	57	1,326
MT.....	815	98	13.50	42,525			
NE.....	1,325	74	13.00	172,250	1,395	55	767
NV.....	281	100	13.10	36,811	2,791	75	2,093
NH.....	285	100	14.40	41,040	1,395	60	837
NJ.....	340	100	15.10	51,340			
NM.....	1,205	100	13.30	160,265	11,628	82	9,535
NY.....	10,895	100	14.20	1,547,090	14,419	60	8,651
NC.....	1,484	97	15.10	224,084			
ND.....	1,000	56	12.20	122,000			
OH.....	4,510	92	13.40	604,340	6,977	66	4,605
OK.....	1,202	96	14.00	168,280			
OR.....	1,416	98	13.30	188,328	26,977	45	12,140
PA.....	9,630	99	14.50	1,396,350	119,535	47	56,181
RI.....	30	100	14.40	4,320	1,395	62	865
SC.....	442	100	15.40	68,068	5,116	73	3,735
SD.....	1,708	53	12.90	220,332			
TN.....	2,055	93	13.80	283,590	3,256	53	1,726
TX.....	5,063	100	14.30	724,009	28,372	54	15,321
UT.....	1,111	82	12.60	139,986	18,140	46	8,344
VT.....	2,290	100	14.10	322,890	2,791	60	1,674
VA.....	1,970	97	14.20	279,740			
WA.....	3,922	100	13.30	521,626	69,767	49	34,186
WV.....	265	98	13.50	35,775	2,326	70	1,628
WI.....	23,660	83	13.45	3,182,270	1,860	47	874
WY.....	118	69	12.40	14,632			
US.....	141,065	91	13.56	19,134,858	497,302	53.9	267,902

See footnotes at end of table.

Table 476.—Marketings, income, and value of milk production, by States, 1989
(preliminary)—Continued

State	Combined marketing of milk and cream				Used for milk, cream, and butter where produced		Gross producer income ⁸	Value of all milk produced ⁹
	Milk utilized	Average returns ⁶		Cash receipts from marketings				
		Per 100 pounds milk	Per pound milkfat		Milk utilized	Value ⁷		
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	520	14.90	4.08	77,480	1	149	77,629	77,927
AK.....	22.4	20.31	6.04	4,550	3	61	4,610	4,732
AZ.....	1,514	13.60	3.70	205,904	2	272	206,176	207,128
AR.....	769	14.60	4.10	112,274	6	876	113,150	115,924
CA.....	19,298	12.60	3.44	2,430,691	8	1,008	2,431,698	2,437,618
CO.....	1,219	15.05	4.08	183,434	19	2,859	186,293	192,162
CT.....	514	14.70	8.96	75,537	2	294	75,831	77,007
DE.....	125.6	14.50	3.92	18,212	1.0	145	18,357	18,502
FL.....	2,440	15.90	4.53	387,960	2	318	388,278	389,073
GA.....	1,300	15.10	4.14	196,300	1	151	196,451	196,753
HI.....	151.5	20.90	6.18	31,663	9	188	31,852	32,186
ID.....	2,620	12.30	3.35	322,260	7	861	323,121	328,287
IL.....	2,708	13.60	3.69	368,288	5	680	368,968	373,048
IN.....	2,186	13.50	3.62	295,110	10	1,350	296,460	301,185
IA.....	4,070	13.20	3.64	537,240	42	5,544	542,784	554,664
KS.....	1,230	13.20	3.60	162,360	5	660	163,020	165,132
KY.....	2,168	13.60	3.70	294,848	40	5,440	300,288	308,040
LA.....	930	14.60	4.10	135,780	9	1,314	137,094	138,700
ME.....	594	14.75	3.87	87,629	4	590	88,219	89,841
MD.....	1,363	14.50	3.92	197,635	4	580	198,215	199,665
MA.....	439	15.07	3.99	66,171	2	301	66,473	67,227
MI.....	5,092	13.63	3.70	693,950	10	1,363	695,313	702,127
MN.....	9,975	13.08	3.57	1,304,730	20	2,616	1,307,346	1,322,126
MS.....	760	14.38	3.95	109,291	4	575	109,866	110,297
MO.....	2,920	13.30	3.61	388,360	15	1,995	390,355	395,675
MT.....	318	13.61	3.83	43,292	7	953	44,245	45,198
NE.....	1,325	13.00	3.53	172,250	10	1,300	173,550	176,800
NV.....	287	13.56	3.75	38,904	2	271	39,175	39,582
NH.....	288	14.54	3.83	41,877	1	145	42,023	42,604
NJ.....	340	15.10	4.14	51,340	1	151	51,491	54,964
NM.....	1,230	13.80	3.90	169,800	7	966	170,766	171,595
NY.....	10,926	14.24	3.84	1,555,741	59	8,401	1,564,142	1,586,497
NC.....	1,484	15.10	4.07	224,084	29	4,379	228,463	231,483
ND.....	1,000	12.20	3.32	122,000	4	488	122,488	125,660
OH.....	4,525	13.46	3.64	608,945	10	1,346	610,290	612,982
OK.....	1,202	14.00	3.84	168,280	13	1,820	170,100	172,480
OR.....	1,474	13.60	3.66	200,468	8	1,088	201,556	205,228
PA.....	9,887	14.69	3.98	1,452,531	39	5,730	1,458,261	1,468,839
RI.....	33	15.71	4.21	5,185			5,185	5,342
SC.....	453	15.85	4.12	71,803	4	634	72,437	73,388
SD.....	1,708	12.90	3.53	220,322	6	774	221,106	222,396
TN.....	2,062	13.84	3.76	285,316	30	4,151	289,467	303,303
TX.....	5,124	14.43	4.01	739,330	6	866	740,196	745,967
UT.....	1,150	12.90	3.57	148,330	3	387	148,717	150,910
VT.....	2,296	14.14	3.74	324,564	10	1,414	325,978	329,512
VA.....	1,970	14.20	3.87	279,740	5	710	280,450	282,722
WA.....	4,072	13.65	3.68	555,812	4	546	556,358	559,224
WV.....	270	13.85	3.74	37,403	4	554	37,957	38,650
WI.....	23,664	15.45	3.59	3,183,144	96	12,913	3,196,058	3,228,341
WY.....	118	12.40	3.42	14,632	1	124	14,756	15,376
US.....	142,135	13.65	3.71	19,402,760	579	80,301	19,483,061	19,694,070

¹ Includes the equivalent amounts of milk for cream sold to plants and dealers. ² Percentage of milk sold to plants and dealers that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufactured dairy products. ³ Also includes milk produced by institutional herds. ⁴ Based on unrounded value. Includes milk sold directly to consumers. ⁵ Not published to avoid disclosing individual operations. ⁶ Cash receipts divided by milk for milkfat represented in combined marketings. ⁷ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ⁸ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter. ⁹ Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 477.—Marketings, income and value of milk production, United States, 1975-89

Year	Milk sold to plants and dealers			Cream sold to plants and dealers ¹			Milk sold directly to consumers		
	Quantity	Price per 100 pounds	Cash receipts	Quantity milkfat	Price per pound fat	Cash receipts	Quantity	Price per quart	Cash receipts
	<i>Million pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 quarts</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975	110,460	8.75	9,664,349	11,437	70.3	8,039	726,837	35.4	257,362
1976	115,479	9.66	11,158,050	8,350	83.4	6,966	703,114	36.4	255,651
1977	118,154	9.72	11,488,120	6,586	92.0	6,058	695,162	36.7	255,314
1978	117,203	10.60	12,400,075	3,679	102.0	3,762	693,210	38.8	268,990
1979	119,379	12.02	14,347,397				692,698	42.3	293,347
1980	124,598	13.05	16,259,004				683,488	45.3	309,484
1981	128,994	13.77	17,764,463				684,744	48.3	330,763
1982	131,859	13.51	17,945,778				597,767	48.1	285,693
1983	136,014	13.58	18,474,613				564,791	48.4	273,121
1984	131,280	13.46	17,670,473				530,372	49.2	260,949
1985	139,307	12.76	17,770,415				582,000	48.7	283,205
1986	139,559	12.51	17,458,979				546,651	48.3	263,960
1987	139,253	12.54	17,456,027				556,884	48.6	270,619
1988	141,775	12.26	17,377,403				527,581	50.0	263,970
1989 ²	141,065	13.56	19,134,858				497,302	53.9	267,902

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products ⁵	Farm value of all milk produced ^{4,6}
	Milk utilized	Average returns ³		Cash receipts from marketings	Milk utilized	Value ⁴		
	<i>Million pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975	112,337	8.84	2.41	9,929,750	1,495	133,026	10,062,776	10,198,831
1976	117,221	9.74	2.66	11,420,667	1,392	136,765	11,557,432	11,706,043
1977	119,831	9.81	2.68	11,749,492	1,283	126,448	11,875,940	12,023,440
1978	118,795	10.67	2.91	12,672,827	1,168	125,155	12,797,982	12,956,601
1979	120,869	12.11	3.31	14,640,744	1,040	127,038	14,767,781	14,941,518
1980	126,067	13.14	3.60	16,568,488	943	124,815	16,693,303	16,875,623
1981	130,467	13.87	3.81	18,095,225	886	124,050	18,219,275	18,415,052
1982	133,144	13.69	3.75	18,233,471	839	115,809	18,349,280	18,559,413
1983	137,228	13.66	3.74	18,747,734	839	115,529	18,863,263	19,070,771
1984	132,421	13.54	3.69	17,931,424	802	109,569	18,040,992	18,327,831
1985	140,558	12.84	3.50	18,053,620	709	92,331	18,145,951	18,369,643
1986	140,735	12.59	3.43	17,722,940	674	85,935	17,808,874	18,025,140
1987	140,450	12.62	3.46	17,726,646	659	84,655	17,811,301	18,014,069
1988	142,910	12.34	3.36	17,641,372	623	78,481	17,719,853	17,920,834
1989 ²	142,135	13.65	3.71	19,402,760	579	80,301	19,483,061	19,694,070

¹ After 1978 equivalent amounts of milk included in milk sold to plants and dealers. ² Preliminary. ³ Cash receipts divided by milk or milkfat represented in combined marketings. ⁴ Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. ⁵ Cash receipts from marketings of milk and cream plus value of milk used for home consumption and producer-churned butter. ⁶ Includes value of milk fed to calves.

National Agricultural Statistics Service.

Table 478.—Federal Milk Order Markets: Measures of growth, 1975–89

Year	Markets ¹	Population of Federal milk marketing areas ²	Handlers ¹	Producers ³	Producer deliveries	Producer deliveries used in Class I	Percentage of producer deliveries used in Class I
	<i>Number</i>	<i>Thousands</i>	<i>Number</i>	<i>Number</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>
1975.....	56	150,666	1,315	123,855	69,149	40,106	57.9
1976.....	50	157,295	1,305	122,675	74,586	40,985	54.9
1977.....	47	159,504	1,260	122,755	77,947	41,125	52.8
1978.....	47	161,224	1,189	119,326	78,091	41,143	52.7
1979.....	47	163,053	1,127	116,447	79,436	41,011	51.6
1980.....	47	164,908	1,091	117,490	83,998	41,034	48.9
1981.....	48	166,663	1,058	119,323	87,989	40,746	46.3
1982.....	49	172,775	1,010	120,743	91,611	40,807	44.5
1983.....	46	175,624	958	121,052	95,757	41,091	42.9
1984.....	45	177,524	912	119,033	91,676	41,517	45.3
1985.....	44	176,440	884	116,765	97,762	42,201	43.2
1986.....	44	177,992	849	112,322	98,791	42,725	43.2
1987.....	43	180,374	797	105,882	98,182	42,876	43.7
1988.....	42	184,180	776	104,141	100,066	43,141	43.1
1989.....	41	185,919	748	100,328	95,873	43,366	45.2

Year	Prices at 3.5 percent butterfat content per hundredweight ⁴		Receipts as percentage of milk sold to plants and dealers		Daily deliveries per producer	Gross value of blend price adjusted for butterfat content	
	Class I	Blend	Fluid grade	All milk		Per producer	All producers
	<i>Dollars</i>	<i>Dollars</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	9.36	8.64	78	63	1,532	49,233	6,097,768
1976.....	10.70	9.75	80	65	1,661	60,277	7,394,486
1977.....	10.59	9.69	80	66	1,740	62,692	7,695,764
1978.....	11.40	10.57	80	67	1,793	70,528	8,415,787
1979.....	12.88	11.97	80	66	1,870	83,262	9,695,637
1980.....	13.77	12.86	80	67	1,954	93,685	11,007,001
1981.....	14.69	13.63	80	68	2,021	102,354	12,213,199
1982.....	14.69	13.53	81	69	2,079	104,591	12,628,576
1983.....	14.69	13.53	82	70	2,168	109,142	13,211,805
1984.....	14.41	13.33	81	70	2,104	104,944	12,491,788
1985.....	13.88	12.61	80	70	2,294	107,871	12,595,522
1986.....	13.60	12.38	80	71	2,413	111,581	12,515,451
1987.....	13.90	12.51	80	71	2,542	118,402	12,529,800
1988.....	13.42	12.14	⁵ 79	⁵ 71	2,627	119,261	12,419,974
1989.....	14.51	13.30	⁵ 75	⁵ 68	2,613	129,710	13,013,545

¹ End of year. (Date on which pricing provisions became effective.) ² End of year. Data for 1980 according to the 1980 U.S. Census of Population. Data for 1975–1979 and 1981 to date are estimated. ³ Average for year.

⁴ Weighted averages. ⁵ The decrease in these percentages results from handlers electing, because of blend and Class III price levels, not to pool milk that normally would have been pooled under Federal milk orders.

Agricultural Marketing Service.

Table 479.—Dairy products: Factory production of specified items, by States, 1987–89

State	Butter			Total American cheese ²			Total cheese ³		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
AL.....									
AZ.....									
AR.....									
CA.....	215,191	229,016	254,685	218,538	232,380	244,849	492,852	540,676	608,088
CO.....									
CT.....									
DE.....									
FL.....									
GA.....									
ID.....				91,879	94,810	104,774	140,839	153,053	160,648
IL.....			2,354		3,493	97,779	108,963	115,090	115,090
IN.....				35,331	32,188	27,183	35,331	32,188	27,183
IA.....				123,163	131,662	126,037	245,701	258,943	256,091
KS.....	17,365	22,715	21,555	29,080	35,574	34,867	39,881	47,268	46,988
KY.....				25,257	13,175	10,588	44,923	33,336	29,873
LA.....									
ME.....									
MD.....									
MA.....									
MI.....	27,495	31,058	27,635	24,751	20,163	18,478	55,075	69,043	73,673
MN.....	141,003	129,566	135,628	521,338	572,974	561,856	580,944	635,025	610,843
MS.....				6,296	9,406	8,544	6,500	9,610	8,808
MO.....	17,297	14,430	14,979	60,918	75,593	78,604	148,261	181,850	191,757
MT.....	1,533	1,350	1,193						
NE.....							94,072	91,524	112,959
NV.....									
NH.....									
NJ.....							44,455	42,821	44,404
NM.....									
NY.....	26,839	27,415	26,011	85,550	84,858	83,678	500,996	509,372	500,172
NC.....									
ND.....	5,200	4,997	6,416	44,948	41,754	40,017	44,948	41,754	40,017
OH.....	13,539			20,607	16,734	15,264	97,953	97,426	92,137
OK.....	13,463	16,551	18,279						
OR.....	12,791	14,225	15,344	30,896	31,197	34,689	30,997	31,324	34,810
PA.....	57,232	59,720	67,248				223,444	223,161	220,564
RI.....									
SC.....									
SD.....				78,435	73,934	59,632	134,082	134,859	148,849
TN.....						6,018	16,012	16,474	13,202
TX.....									
UT.....	9,007	10,686		33,097	35,897	37,716	58,017	63,563	65,042
VT.....							106,444	113,071	108,371
VA.....				3,093			3,093		
WA.....	81,954	95,113		32,178	26,594		57,879	53,732	67,630
WI.....	261,493	295,576	318,717	1,031,110	998,056	924,206	1,874,492	1,901,379	1,847,455
WV.....									
US ⁴	1,104,135	1,207,540	1,273,544	2,716,659	2,756,577	2,672,575	5,344,364	5,571,973	5,613,872

See footnotes at end of table.

**Table 479.—Dairy products: Factory production of specified items, by States, 1987-89—
Continued**

State	Evaporated and sweetened condensed whole milk (case goods) ³			Nonfat dry milk for human food			Total ice cream		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 gallons	1,000 gallons	1,000 gallons
AL.....									21,447
AZ.....							20,788	21,756	7,442
AR.....							6,906	7,012	5,035
CA.....				287,761	279,346	281,861	6,200	6,705	107,758
CO.....							108,288	107,173	10,643
CT.....							9,948	10,287	
DE.....									
FL.....							32,621	29,645	28,133
GA.....							9,577	8,925	11,087
ID.....									
IL.....							29,471	31,451	22,885
IN.....							27,666	24,712	26,256
IA.....				80,430	68,615	59,693	23,926	23,914	27,040
KS.....							8,371	7,058	6,322
KY.....									
LA.....							7,564		
ME.....									1,708
MD.....							17,529	15,085	19,117
MA.....							48,826	44,994	38,546
MI.....				71,462	59,068	34,342	34,508	29,378	27,421
MN.....				149,781	90,113	67,178	41,080	37,759	38,975
MS.....							3,321	3,171	
MO.....						9,520	22,165	18,556	15,481
MT.....							1,511		
NE.....									
NV.....									
NH.....									
NJ.....							22,038	18,707	18,232
NM.....									
NY.....				22,731	12,019	11,447	46,984	45,856	46,507
NC.....							30,269	33,580	33,589
ND.....				3,958	2,376	4,576	2,048	2,018	1,973
OH.....							43,804	41,615	30,571
OK.....							12,887	12,224	12,595
OR.....							8,363	7,574	8,212
PA.....							90,297	87,308	73,583
RI.....									
SC.....							15,155	14,952	14,398
SD.....									
TN.....							21,267	18,800	18,611
TX.....							52,606	49,767	46,368
UT.....							9,824	10,639	8,085
VT.....									
VA.....							14,324	14,022	10,455
WA.....							18,652	17,411	16,568
WV.....							2,755		
WI.....				60,477	60,595	51,291	25,434	21,103	21,313
US ⁴	579,722	590,113	525,128	1,056,797	979,722	874,667	928,356	882,079	831,159

¹ Preliminary. ² Includes colby, washed curd, high and low moisture jack, Monterey, and granular cheese.
³ Includes full-skim American cheese; excludes cottage cheese. ⁴ Includes data for individual States which have less than 3 plants and are not shown separately. ⁵ Combined to avoid disclosure of individual operations.
 National Agricultural Statistics Service.

Table 480.—Dairy products: Quantities manufactured, United States, 1982-89

Product	1982	1983	1984	1985	1986	1987	1988	1989 ¹
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Creamery butter.....	1,256,964	1,299,247	1,103,316	1,247,792	1,202,392	1,104,135	1,207,540	1,273,544
American cheese:								
Whole milk.....	2,752,298	2,927,716	2,648,459	2,855,230	2,798,160	2,716,659	2,756,577	2,672,575
Part skim.....	6,928	4,115	2,711	2,380	2,051	858	1,050	825
Swiss cheese (including block).....	221,085	209,467	207,958	222,886	227,340	227,241	250,111	231,238
Munster cheese.....	71,681	69,599	76,046	82,096	88,488	92,629	83,327	91,121
Brick cheese.....	14,251	14,157	16,032	20,131	20,387	28,939	24,846	17,490
Limburger cheese.....	1,456	1,149	1,225	1,049	1,119	1,067	975	901
Cream and Neufchatel cheese.....	262,780	269,993	276,466	293,769	321,504	342,230	375,878	400,959
Blue cheese.....	31,013	31,496	34,115	33,433	34,198	35,863	37,789	34,561
All Italian varieties of cheese.....	1,087,781	1,200,204	1,318,816	1,491,314	1,632,921	1,799,770	1,937,118	2,042,894
All other varieties of cheese ²	92,396	90,572	92,165	77,742	82,097	99,108	104,302	121,308
Total of all cheese ²	4,541,669	4,819,471	4,673,993	5,080,942	5,209,252	5,344,364	5,571,973	5,613,872
Cottage cheese:								
Curd ³	628,949	618,162	606,219	598,845	600,122	573,778	556,660	525,501
Creamed ³	748,869	742,506	736,061	715,581	704,819	674,805	647,083	570,335
Lowfat ³	217,572	215,941	229,331	244,390	265,475	270,528	290,854	300,266
Sweetened condensed milk: Bulk goods:								
Skimmed.....	49,148	51,394	51,343	49,551	55,416	57,541	58,530	66,263
Unskimmed.....	69,639	74,704	66,061	69,481	72,803	78,728	73,946	93,480
Unsweetened condensed milk (plain, condensed): Bulk goods:								
Skimmed.....	632,133	693,832	803,641	841,100	957,039	954,683	966,409	1,079,799
Unskimmed.....	223,889	193,348	238,273	272,044	276,530	292,219	265,119	177,466
Evaporated and condensed milk:								
Case goods:								
Skimmed.....	19,531	16,038	18,035	20,837	17,673	16,966	22,030	20,169
Unskimmed.....	734,921	694,185	647,663	635,292	584,426	579,722	590,113	525,128
Condensed or evaporated buttermilk.....	50,869	51,011	37,899	41,264	41,549	51,908	79,917	40,476
Dry buttermilk.....	38,632	46,497	43,485	51,523	65,677	55,627	58,679	60,517
Dry whole milk.....	102,226	111,209	119,622	118,856	122,366	145,861	172,329	175,768
Nonfat dry milk.....	1,400,455	1,499,902	1,160,670	1,390,033	1,284,143	1,056,797	979,722	874,667
Dry skim milk (animal feed).....	9,731	10,324	7,672	8,262	9,718	19,823	18,730	18,705
Dry whey.....	790,502	892,164	897,946	986,829	1,031,033	1,097,349	1,136,987	1,069,470
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Ice cream.....	852,072	881,543	894,468	901,449	923,597	928,356	882,079	831,159
Sherbet (does not include water ices).....	45,575	47,732	47,488	48,206	49,679	49,998	52,175	52,197
Ice milk ⁴	280,559	294,913	299,825	301,312	314,673	327,561	354,831	376,507

¹ Preliminary.² Includes full-skim American cheese beginning 1978.³ Cottage cheese curd includes pot and bakers' cheese. Creamed cottage cheese contains not less than 4 percent milkfat. Lowfat cottage cheese contains less than 4 percent milkfat and has not been legal in interstate commerce, but beginning 1972, is legal under Federal standards if its content of milkfat is not less than 0.5 percent and not more than 2.0 percent by weight.⁴ Includes freezer-made milkshake in most States.

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Table 481.—Milk markets under Federal order program: Whole milk and lowfat and skim milk products sold for fluid consumption within defined marketing areas, 1988 and 1989 ¹

Federal milk order marketing area	Whole milk items ²				Lowfat and skim milk items ³				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	1,000 pounds	Percent	Percent
Alabama-West Florida.....	496,055	465,177	3.29	3.27	417,949	460,296	1.42	1.40	914,003	925,472	2.43	2.34
Black Hills, South Dakota.....	11,081	7,906	3.27	3.30	27,165	26,908	1.81	1.77	38,246 ⁴	34,814	2.23	2.12
Central Arizona.....	313,885	306,436	3.36	3.28	483,019	509,953	1.68	1.63	796,904	816,389	2.34	2.25
Central Arkansas.....	126,873	115,626	3.27	3.26	98,912	111,782	1.60	1.56	225,785	227,407	2.57	2.42
Central Illinois.....	52,078	46,819	3.25	3.25	147,228	149,328	1.74	1.69	199,306	196,146	2.13	2.07
Chicago Regional, Ill.-Wis.....	793,213	719,291	3.27	3.27	1,958,252	2,026,660	1.63	1.57	2,751,465	2,745,951	2.10	2.02
Eastern Colorado, Colo.-Kans.....	227,261	205,285	3.30	3.30	416,745	436,907	1.69	1.64	644,006	642,193	2.26	2.17
Eastern Ohio-Western Pa., Ohio-W. Va.-Pa.....	725,102	643,794	3.25	3.23	1,164,115	1,247,412	1.72	1.67	1,893,217	1,891,206	2.31	2.21
Eastern South Dakota, S. Dakota-Iowa-Minn.....	63,537	60,125	3.27	3.26	95,189	96,451	1.64	1.57	111,027	109,983	1.87	1.77
Georgia.....	625,767	624,125	3.24	3.26	520,428	557,554	1.38	1.38	1,160,195	1,159,677	2.42	2.35
Great Basin, Utah-New-Wyo.-Idaho ⁴	179,553	194,636	3.27	3.26	383,324	353,423	1.76	1.72	762,965	765,411	2.25	2.21
Greater Kansas City, Mo.-Kans.....	345,423	322,364	3.25	3.26	565,664	559,444	1.60	1.58	924,211	914,590	2.18	2.10
Indiana.....	315,113	284,249	3.26	3.25	207,724	240,234	1.49	1.46	356,344	382,954	2.63	2.53
Iowa.....	118,024	103,029	3.26	3.20	579,650	901,904	1.71	1.68	1,197,772	1,881,954	2.19	2.13
Iowa-Iowa-III.....	228,695	203,396	3.28	3.27	518,010	534,942	1.55	1.49	636,930	637,971	1.87	1.78
Louisville-Lex.-Evans, Ky.-Ind.....	56,706	48,940	3.30	3.27	438,175	455,840	1.71	1.66	666,870	659,236	2.25	2.16
Lubbock-Plainview, Texas.....	100,656	91,489	3.30	3.27	27,594	27,484	1.40	1.46	84,300	76,404	2.68	2.63
Memphis, Tenn.-Miss.-Ark.....	21,858	18,536	3.25	3.27	106,541	83,492	1.52	1.53	207,198	207,875	2.98	2.80
Michigan Upper Peninsula, Mich.-Wis.....	1,544,124	1,435,612	3.27	3.26	78,588	116,386	1.68	1.67	100,447	102,029	2.02	1.96
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va.....	188,725	170,947	3.30	3.29	3,866,722	1,518,638	1.43	1.38	2,910,847	2,954,250	2.41	2.30
Nashville, Tenn.-Ky.....	119,370	106,197	3.23	3.24	188,401	201,088	1.50	1.45	377,126	372,035	2.40	2.29
Nebraska-Western Iowa, Nebr.-Iowa-S. Dak.....	1,566,816	1,408,622	3.33	3.31	1,182,491	1,317,314	1.56	1.50	465,854	465,211	1.99	1.90
New England, Mass.-Conn.-N.H.-R.I.-Vt.....	468,433	423,295	3.31	3.30	295,887	328,917	1.33	1.36	764,320	752,212	2.55	2.45
New Orleans-Mississippi, La.-Miss.....	3,024,466	2,998,026	3.35	3.35	1,462,207	1,449,424	1.36	1.36	4,486,673	4,447,450	2.70	2.70
New York-New Jersey.....	650,902	581,457	3.26	3.24	1,208,910	1,248,522	1.74	1.70	1,859,812	1,829,980	2.27	2.19
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va.....												

See footnotes at end of table

Table 481.—Milk markets under Federal order program: Whole milk and lowfat and skim milk products sold for fluid consumption within defined marketing areas, 1988 and 1989 ¹—Continued

Federal milk order marketing area	Whole milk items ²				Lowfat and skim milk items ³				Total fluid milk items			
	Quantity		Milkfat test		Quantity		Milkfat test		Quantity		Milkfat test	
	1988	1989	Percent	Percent	1988	1989	Percent	Percent	1988	1989	Percent	Percent
	<i>1,000 pounds</i>	<i>1,000 pounds</i>			<i>1,000 pounds</i>	<i>1,000 pounds</i>			<i>1,000 pounds</i>	<i>1,000 pounds</i>		
Pacific Northwest, Wash.-Idaho-Ore. ⁴	453,467	446,281	3.32	3.30	1,447,835	1,581,771	1.70	1.64	1,901,301	2,028,052	2.09	2.01
Peduncch, Ky.-Mo.	36,898	34,459	3.30	3.26	44,053	48,399	1.61	1.60	80,951	82,857	2.38	2.29
Rio Grande Valley, N. Mex.-Texas-Colo.	295,219	282,491	3.36	3.35	131,751	152,515	1.53	1.52	426,970	435,006	2.81	2.70
Southeastern Florida	549,498	529,364	3.29	3.27	332,711	370,013	1.32	1.25	882,209	909,377	2.54	2.45
Southern Illinois-Eastern Missouri ⁵	256,723	228,531	3.23	3.23	608,781	631,409	1.65	1.61	865,505	859,927	2.12	2.04
Southern Michigan	823,649	742,305	3.25	3.25	1,095,443	1,168,762	1.37	1.35	1,919,092	1,911,068	2.18	2.09
Southwestern Idaho-Eastern Oregon	37,003	35,812	3.28	3.26	111,125	118,262	1.77	1.73	148,129	154,074	2.15	2.08
Southwest Plains, Okla.-Kans.-Mo.-Ark.	646,792	582,044	3.25	3.25	547,357	608,141	1.54	1.53	1,194,148	1,190,148	2.47	2.37
Tampa Bay, Fla.	396,686	375,734	3.29	3.30	368,576	418,955	1.24	1.23	765,262	794,688	2.30	2.21
Tenn.-Val.-Ky.-Va.-W. Va., Ga.	321,657	294,604	3.25	3.28	399,763	425,537	1.53	1.50	721,420	720,140	2.30	2.23
Texas	1,820,407	1,732,102	3.32	3.32	1,120,842	1,287,490	1.41	1.39	2,941,249	3,019,592	2.59	2.50
Texas Panhandle, Texas	54,971	44,002	3.23	3.29	23,737	23,846	1.47	1.51	78,708	67,848	2.70	2.66
Upper Florida	450,683	426,853	3.28	3.27	381,371	430,049	1.30	1.30	832,054	856,901	2.37	2.28
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa	190,587	175,885	3.26	3.23	1,266,055	1,286,099	1.41	1.33	1,456,642	1,461,984	1.65	1.56
Western Colorado	19,111	17,817	3.30	3.30	34,657	39,171	1.72	1.61	53,769	56,988	2.28	2.14

¹ In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas, therefore, some handlers' in-area sales are partially estimated. ² Plain, flavored, and miscellaneous whole milk products. ³ Plain, fortified, and flavored skim and lowfat milk, buttermilk, and miscellaneous lowfat and skim milk products. ⁴ Effective April 1, 1988, the Great Basin marketing area was expanded to include the old Lake Mead marketing area and previously unregulated area. The data for January-March 1988 have been estimated based on the new marketing area. ⁵ Effective February 1, 1989, the Puget Sound-Inland and Oregon-Washington orders were merged to form the Pacific Northwest order. The data for 1988 and January 1989 are the summation of the data for the two merged markets. ⁶ Effective May 1, 1988, the Southern Illinois marketing area was expanded to include previously unregulated area in eastern Missouri. The data for January-April 1988 have been estimated based on the new marketing area.

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Table 482.—Milk: Supply and

Item	1975	1976	1977	1978
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Milk production	115,398	120,180	122,654	121,641
Net imports of ingredients (milk equivalent) ²	181	219	228	232
Net change in storage cream (milk equivalent) ³	-17	39	-16	-11
Total supply	115,562	120,438	122,866	121,682
Utilization (milk equivalent):				
Used in manufactured products:				
Creamery butter, total milk equivalent	21,992	21,947	24,396	22,372
Milk equivalent of butter from whey cream	2,119	2,543	2,543	2,660
Net milk equivalent	19,873	19,404	21,853	19,712
Cheese:				
American	16,452	20,581	20,480	20,737
Other	7,431	8,182	8,385	9,180
Cottage cheese, creamed	1,028	1,050	1,056	1,056
Canned milk:				
Evaporated and sweetened condensed	2,020	1,892	1,809	1,725
Bulk condensed whole milk:				
Unsweetened	510	435	398	348
Sweetened	176	208	182	186
Dry whole milk	464	554	514	549
Ice cream and other frozen dairy products, total milk equivalent	14,046	13,722	13,805	13,859
Milk equivalent of butter and condensed milk used in ice cream	2,148	2,099	2,098	2,115
Net milk equivalent	11,898	11,623	11,707	11,744
Other manufactured products ⁴	672	744	684	707
Total manufactured products	60,524	64,673	67,068	65,944
Available for use in fluid products:				
Sold by dealers	49,560	49,990	49,885	49,685
Sold by producers directly to consumers ⁵	1,563	1,512	1,495	1,490
Total available for fluid products	51,123	51,502	51,380	51,175
Used on farms where produced:				
Fed to calves	1,666	1,567	1,541	1,497
Used for farm-churned butter	1,495	1,392	1,283	1,168
Total used on farms	3,061	2,959	2,824	2,665
Residual ⁶	854	1,304	1,594	1,898
Total utilization	215,562	120,562	122,866	121,682

¹ Preliminary. ² Whole milk equivalent (milkfat basis) of net imports of dairy manufacturing ingredients such as frozen cream and butterfat-sugar mixtures. ³ Whole milk equivalent of net out-of-storage movement of fluid and plastic cream during the year. A negative figure represents a net movement of cream into storage. ⁴ Whole milk equivalent of dry cream, malted milk powder, part-skim milk, dry or concentrated ice cream mix, dehydrated butterfat, and other miscellaneous products using milkfat.

National Agricultural Statistics Service.

Utilization, United States, 1975-89

1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989 ¹
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
123,350	128,406	132,770	135,505	139,672	135,450	143,147	143,381	142,709	145,152	144,252
237	203	192	273	263	220	254	254	238	212	197
24	-3	11	7	18	-2	-12	16	13	0	-22
123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,960	145,364	144,427
22,191	25,824	27,806	28,352	29,342	24,877	28,079	27,073	24,966	27,116	28,486
2,810	2,998	3,192	3,365	3,554	3,406	3,694	3,799	3,894	4,017	3,961
19,381	22,826	24,614	24,987	25,788	21,471	24,385	23,274	21,072	23,099	24,525
21,856	23,765	26,215	27,540	29,314	26,403	28,556	27,976	27,297	27,571	26,605
9,701	10,160	10,331	11,363	11,692	12,315	13,144	14,263	15,554	16,540	16,943
1,028	1,016	977	950	941	932	917	914	884	857	704
1,752	1,594	1,669	1,490	1,525	1,419	1,509	1,278	1,272	1,285	1,144
381	377	475	543	475	544	656	666	707	640	428
187	147	164	161	173	180	161	169	184	172	215
627	607	686	758	823	880	877	901	1,067	1,263	1,286
13,767	14,010	14,080	14,268	14,720	14,783	15,021	15,451	15,697	15,115	14,600
2,088	2,084	2,116	2,133	2,122	2,123	2,166	2,225	2,241	2,155	2,069
11,679	11,926	11,964	12,135	12,598	12,660	12,855	13,226	13,456	12,960	12,531
912	909	821	656	663	488	477	559	452	388	(⁷)
67,504	73,327	77,916	80,583	83,992	77,292	83,537	83,226	81,945	84,775	84,380
49,884	49,385	48,743	48,061	48,494	49,464	50,750	51,460	52,232	53,277	54,235
1,489	1,470	1,472	1,285	1,211	1,141	1,264	1,176	1,197	1,134	1,069
51,373	50,855	50,215	49,346	49,705	50,605	52,014	52,636	53,429	54,411	55,304
1,442	1,395	1,418	1,521	1,527	2,134	1,747	1,736	1,599	1,620	1,519
1,040	943	886	839	842	804	709	677	659	623	579
2,483	2,338	2,304	2,361	2,369	2,938	2,456	2,412	2,258	2,242	2,098
2,251	2,086	2,538	3,495	3,887	4,833	5,382	5,377	5,327	3,936	2,645
123,611	128,606	132,973	135,785	139,953	135,668	143,389	143,651	142,960	145,364	144,427

⁵ Sales directly to consumers by producers who sell only milk from their own herds; also includes milk produced by institutional herds. ⁶ Includes minor miscellaneous uses and any inaccuracies in production and utilization estimates. ⁷ Not published separately.

Table 483.—Milk markets under Federal order program: Blend and Class I milk deliveries used in Class I, Class I percentage, average daily deliveries per producer,

Federal milk order marketing area	Blend price per hundredweight ¹		Class I price per hundredweight		Average number of producers	
	1988	1989	1988	1989	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Million pounds</i>
Alabama-West Florida ²	13.45	14.56	13.95	15.05	987	978
Central Arizona ³	12.32	13.59	13.39	14.47	142	135
Central Arkansas ⁴	13.24	14.32	13.62	14.70	652	624
Central Illinois ⁵	11.83	13.11	12.47	13.57	260	236
Chicago Regional, Ill.-Wis. ^{6 7}	11.40	12.41	12.26	13.36	18,040	19,863
Eastern Colorado, Col.-Kans. ⁸	12.60	13.67	13.59	14.68	573	617
Eastern Ohio-Western Pa., Ohio-Pa.-W. Va. ⁹	11.97	13.16	12.87	13.93	5,478	5,175
Georgia ¹⁰	13.47	14.51	13.95	15.03	1,466	1,248
Great Basin, Utah-Nev.-Wyo. ^{7 11}	11.96	13.10	12.75	13.84	733	729
Greater Kansas City, Mo.-Kans. ^{7 12}	12.04	13.13	12.77	13.87	1,131	1,071
Greater Louisiana ¹³	13.53	14.49	14.14	15.24	580	654
Indiana ¹⁴	12.19	13.34	12.87	13.95	2,641	2,566
Iowa, Iowa-Ill. ^{7 15}	11.55	12.68	12.43	13.52	3,681	3,693
Louisville-Lex.-Evans., Ky.-Ind.	12.37	13.40	13.01	14.04	1,847	2,088
Lubbock-Plainview, Texas	13.13	14.26	13.35	14.50	34	19
Memphis, Tenn.-Miss.-Ark	13.12	14.13	13.56	14.68	517	294
Michigan Upper Peninsula, Mich.-Wis. ^{16 17}	12.05	13.10	12.22	13.34		
Middle Atlantic, Del.-D.C.-Md.-N.J.-Pa.-Va. ¹⁸	12.47	13.71	13.90	14.99	6,196	5,741
Nashville, Tenn.-Ky.	13.11	14.00	13.59	14.48	401	1,117
Nebraska-Western Iowa, Nebr.-Iowa-S. Dak. ^{7 19}	11.62	12.78	12.62	13.71	1,992	1,961
New England, Mass.-Conn.-N.H.-R.I.-Vt. ²⁰	12.92	14.13	14.11	15.20	5,182	4,934
New Orleans-Mississippi, La.-Miss. ²¹	13.67	14.69	14.71	15.80	1,130	1,126
New York-New Jersey ²²	12.43	13.62	14.01	15.09	13,954	13,570
Ohio Valley, Ind.-Ky.-Mich.-Ohio-W. Va. ²³	12.11	13.29	12.89	14.00	3,820	3,074
Pacific Northwest, Idaho-Oreg.-Wash. ²⁴	11.68	12.95	12.76	13.84	1,926	1,879
Paducah, Ky.-Mo.	12.74	13.87	13.24	14.34	322	328
Rio Grande Valley, N. Mex.-Tex.-Colo. ²⁵	12.54	13.48	13.21	14.29	75	64
Southeastern Florida ²⁶	14.68	15.80	15.08	16.14	148	136
Southern Illinois—Eastern Missouri, Ill.-Mo. ^{7 27}	12.05	13.15	12.79	13.84	2,726	2,658
Southern Michigan ^{7 28}	11.76	12.97	12.62	13.70	4,923	4,927
SW. Idaho-Eastern Oregon ^{7 29}	11.24	12.47	12.36	13.44	315	300
Southwest Plains ³⁰	12.44	13.65	13.64	14.73	3,378	3,374
Tampa Bay, Fla.	14.14	15.35	14.74	15.85	191	202
Tenn. Val., Tenn.-Va.-W. Va.-Ky.-Ga. ³¹	13.03	14.09	13.69	14.74	1,497	1,532
Texas ³²	12.88	14.02	14.15	15.23	2,553	2,418
Texas Panhandle, Texas-Okla. ³³	13.06	13.84	13.35	14.36	49	36
Upper Florida ³⁴	13.94	15.01	14.46	15.49	182	149
Upper Midwest, Minn.-Wis.-N.D.-S.D.-Iowa ^{7 35}	11.17	12.08	12.06	13.16	14,419	10,812

¹ For individual-handler pools, weighted average of blend prices for all handlers. For markets with base-excess plans, weighted average of base and excess prices. ² Zone 2 (Birmingham). ³ Phoenix. ⁴ Little Rock. ⁵ Peoria. ⁶ Zone I (Chicago). ⁷ Because the blend price adjusted for location was equal to or less than the Class III price in the outer zones of these markets in some months, in 1988 and 1989 handlers elected not to pool milk that normally would have been pooled under those orders. ⁸ Denver. Note: Price data are for Eastern Colorado. Other data are a combination of Eastern Colorado and Western Colorado. ⁹ Cleveland and Pittsburgh. ¹⁰ Atlanta. ¹¹ Salt Lake City, Utah. Effective April 1, 1988, the Lake Mead market was merged with the Great Basin market. Data for January-March 1988 are the combination of the data for the two merged markets. ¹² Kansas City and Topeka. Note: Price data are for Greater Kansas City. Other data are a combination of Greater Kansas City, Eastern South Dakota, and Black Hills. ¹³ Monroe and Shreveport. ¹⁴ Indianapolis. ¹⁵ Zone I (Des Moines). ¹⁶ Some of the data were restricted—pertains to fewer than three firms. ¹⁷ Zone II (Marquette). ¹⁸ Philadelphia, Baltimore, and Washington, D.C. Price excludes a 6-cent delivery differential applicable to milk delivered to Philadelphia. ¹⁹ Zone I (Omaha).

Agricultural Marketing Service. Compiled from reports of market administrators.

prices at 3.5 percent fat test, number of producers, producer deliveries, producer average fat test of milk delivered, by markets, 1988 and 1989

Total producer deliveries		Producer deliveries used in Class I		Class I utilization		Daily deliveries per producer		Average fat test	
1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Percent</i>	<i>Percent</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Percent</i>
1,152	1,133	951	939	82.5	82.9	3,215	3,199	3.66	3.64
1,504	1,539	836	891	55.6	57.9	29,294	31,351	3.73	3.68
466	459	392	372	83.9	81.2	2,565	2,623	3.53	3.50
172	169	99	99	57.2	58.4	1,811	1,962	3.67	3.68
14,554	13,606	2,888	2,918	19.8	21.4	2,213	1,893	3.70	3.73
1,276	1,393	750	742	58.8	53.3	6,083	6,191	3.71	3.69
3,920	3,687	2,052	2,035	52.3	55.1	1,955	1,948	3.71	3.72
1,731	1,600	1,424	1,249	82.3	78.1	3,237	3,532	3.67	3.64
1,736	1,847	775	779	44.7	42.2	6,472	6,958	3.63	3.64
997	958	516	469	51.8	48.9	2,419	2,456	3.65	3.67
576	644	471	500	81.7	77.7	2,737	2,727	3.62	3.62
2,031	1,963	1,214	1,175	59.7	59.7	2,102	2,103	3.72	3.74
2,885	2,749	824	852	28.6	31.0	2,201	2,227	3.63	3.63
1,196	1,375	798	911	66.7	66.3	1,782	1,800	3.71	3.69
119	126	107	105	89.9	83.3	18,723	29,118	3.61	3.52
350	140	287	107	82.0	76.4	2,529	2,907	3.61	3.62
6,199	5,908	3,084	3,109	49.7	52.6	2,734	2,819	3.71	3.69
259	835	197	654	75.9	78.4	1,771	2,055	3.68	3.65
1,779	1,744	598	608	33.6	34.9	2,550	2,631	3.66	3.68
5,118	4,975	2,815	2,811	55.0	56.5	2,698	2,763	3.74	3.75
1,013	937	698	645	69.0	68.8	2,442	2,275	3.62	3.61
11,221	11,097	4,606	4,587	41.0	41.3	2,197	2,241	3.67	3.69
2,872	2,417	1,632	1,353	56.8	56.0	2,058	2,156	3.67	3.69
5,129	5,337	1,943	2,001	37.9	37.5	7,299	7,779	3.73	3.72
210	230	161	172	76.7	74.5	1,792	1,930	3.78	3.79
505	597	343	344	67.9	57.7	23,201	29,268	3.62	3.59
1,027	961	913	868	88.9	90.3	17,835	18,540	3.56	3.51
2,342	2,264	1,272	1,246	54.3	55.0	2,345	2,326	3.68	3.69
4,618	4,448	2,003	2,046	43.4	46.0	2,571	2,475	3.66	3.68
874	742	137	145	15.7	19.5	7,588	6,746	3.66	3.70
3,086	3,229	1,393	1,426	45.1	44.2	2,570	2,646	3.64	3.65
987	1,120	814	946	82.6	84.4	14,181	14,774	3.55	3.54
1,286	1,326	951	959	73.9	72.3	2,351	2,397	3.68	3.67
5,222	5,422	2,945	3,045	56.4	56.2	5,594	6,145	3.61	3.60
104	78	88	61	84.8	78.0	14,286	11,822	3.57	3.62
742	734	617	620	83.2	84.5	10,049	13,318	3.61	3.56
10,804	8,079	1,547	1,577	14.3	19.5	2,083	2,103	3.68	3.69

²⁰ Zone I (Boston). Price at 201-210 mile zone: Class I and blend are 72 cents less. ²¹ Zone I (New Orleans).
²² New York metropolitan area. Prices at 201-210 mile zone: Class I and blend 59 cents less. ²³ Zone 3 (Columbus). ²⁴ Zone 1 (Seattle and Portland). Effective February 1, 1989, the Puget Sound-Inland and Oregon-Washington orders were merged to form the Pacific Northwest order. Data for 1988 and January 1989 are the weighted averages of the data for the two merged markets. ²⁵ Albuquerque, Santa Fe, and El Paso. ²⁶ Miami.
²⁷ Base zone (Alton). Effective May 1, 1988, the Southern Illinois market was expanded to include several counties in eastern Missouri. ²⁸ Zone I, Detroit. Price excludes direct delivery differential applicable to milk delivered to Detroit of 10 cents. ²⁹ Boise, Idaho. ³⁰ Zone I (Oklahoma City). ³¹ Bristol, Chattanooga, and Knoxville.
³² Zone I (Dallas). ³³ Amarillo. ³⁴ Jacksonville and Tallahassee. ³⁵ Zone I (Minneapolis).

Table 484.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 1975–89

Year	Milk cows, per head ¹	Milk per 100 pounds ²						Milkfat in cream, per pound ⁴
		Eligible for fluid market ³		Of manufacturing grade		All milk wholesale		
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	
	Dollars	Dollars	Percent	Dollars	Percent	Dollars	Percent	Cents
1975.....	412.00	9.02	3.67	7.63	3.66	8.75	3.68	71.0
1976.....	477.00	9.93	3.67	8.56	3.65	9.66	3.66	83.4
1977.....	504.00	9.96	3.65	8.70	3.66	9.72	3.65	92.0
1978.....	675.00	10.80	3.66	9.65	3.67	10.60	3.67	102.0
1979.....	1,040.00	12.20	3.65	11.06	3.68	12.02	3.66	119.0
1980.....	1,190.00	13.23	3.65	12.01	3.67	13.05	3.65	(⁵)
1981.....	1,200.00	13.95	3.64	12.72	3.66	13.77	3.64	.....
1982.....	1,110.00	13.80	3.65	12.60	3.68	13.61	3.65	.....
1983.....	1,030.00	13.75	3.65	12.61	3.67	13.58	3.66	.....
1984.....	895.00	13.61	3.66	12.49	3.69	13.46	3.66	.....
1985.....	860.00	12.90	3.67	11.72	3.68	12.76	3.67	.....
1986.....	820.00	12.62	3.66	11.46	3.68	12.51	3.67	.....
1987.....	920.00	12.66	3.65	11.37	3.66	12.54	3.65	.....
1988.....	990.00	12.36	3.67	11.15	3.68	12.26	3.67	.....
1989.....	1,030.00	13.66	3.68	12.38	3.70	13.56	3.68	.....

¹ Simple average of monthly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year. ² Average price at average fat test for all milk sold at wholesale to plants and dealers, based on reports from milk-market administrators, cooperative milk-market associations, whole-milk distributors, and milk-products manufacturing plants, f.o.b. plant or receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums. ³ Milk eligible for fluid market, including surplus diverted to manufacturing. ⁴ Weighted average of monthly prices, by States, weighted by the estimated quantity of fat sold. ⁵ Estimate discontinued.

National Agricultural Statistics Service.

Table 485.—Mellorine-type frozen desserts: Production by States, United States totals, 1975–89

Year	Ala-bama	Arizo-na	Arkan-sas	Cali-fornia	Illi-nois	Louis-i-ana	Mis-souri	Mon-tana	Okla-homa	Or-egon	Texas	United States ¹
	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons	1,000 gal-lons
1975.....		546	713	6,747	1,402	217	993		1,037	532	15,833	30,038
1976.....		437	656	5,258	1,140	112	889		657	402	11,507	23,284
1977.....		393	571	4,077	1,004	116	752		536	295	9,100	18,795
1978.....			468	3,421	954	32	527		456	261	7,949	16,264
1979.....			413	2,725	1,070		519	58	375	230	6,913	15,674
1980.....			393	2,263	912		487		241	203	6,052	13,190
1981.....			378	1,744	857	4	479		204	190	5,642	11,191
1982.....			399	1,146	812		495		196		5,120	10,130
1983.....	147		310	807	639		170		167		5,473	10,086
1984.....			621	665	716				138		3,857	8,886
1985.....			528	594	346				103		4,184	8,752
1986.....			267	287	168				64		4,622	8,429
1987.....			602	281	149						4,690	10,110
1988.....												9,989
1989 ²												6,376

¹ Includes several minor producing States which are not shown separately. ² Preliminary.

National Agricultural Statistics Service.

Table 486.—Dairy products: Manufacturers' average selling price of specified products, United States, 1975-89

Year	Unsweetened evaporated milk, per case of 48 14½-ounce cans, f.o.b. factory	Nonfat dry milk for human food, per pound, f.o.b. factory	Dry skim milk for animal feed, per pound, f.o.b. factory	Dry whole milk, per pound, f.o.b. factory ¹
	<i>Dollars</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1975.....	10.98-14.15	62.13	37.93	71.30
1976.....	11.88-14.77	63.30	34.60	79.24
1977.....	12.05-15.62	66.65	32.02	80.69
1978.....	(²)	71.01	33.14	89.63
1979.....		79.94	35.63	101.58
1980.....		88.58	40.31	110.97
1981.....		93.92	43.66	118.53
1982.....		(³)	(³)	(³)
1983.....		93.84	39.91	119.65
1984.....		91.17	40.64	118.38
1985.....		84.59	41.18	114.18
1986.....		80.94	40.78	111.87
1987.....		79.30	43.57	112.71
1988.....		76.58	48.11	113.50
1989.....		95.16	64.45	126.03

¹ Includes milk sold in bulk and in package. ² Estimate discontinued. ³ Data not available for 1982.
National Agricultural Statistics Service.

Table 487.—Dairy products: Manufacturers' stocks, end of month, United States, 1988 and 1989

Month	Evaporated and sweetened condensed whole milk (case goods)		Dry whole milk		Nonfat dry milk (human food)	
	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	40,223	59,402	9,146	12,206	56,938	60,402
February.....	51,829	75,113	9,035	10,877	63,501	79,835
March.....	59,694	85,203	6,611	11,284	56,209	84,644
April.....	71,298	90,497	8,355	11,657	70,839	97,943
May.....	85,109	102,591	9,313	10,104	74,145	98,425
June.....	94,330	117,456	10,566	10,930	67,686	77,454
July.....	103,452	116,549	11,439	9,008	71,300	66,671
August.....	105,312	116,654	11,434	8,882	53,325	56,854
September.....	92,323	98,738	11,151	6,240	44,432	44,588
October.....	89,383	69,743	10,618	8,033	49,938	36,149
November.....	51,547	42,759	10,774	9,997	39,116	32,405
December.....	44,133	26,572	12,779	12,967	45,071	49,413

National Agricultural Statistics Service.

Table 488.—Dairy products: Cold-storage holdings, first of month, United States, 1988 and 1989

Month	Creamery butter		American cheese		Swiss cheese		Total natural cheese ¹	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	157,318	246,644	364,861	286,115	9,086	10,730	612,415	644,146
February.....	198,851	314,311	359,900	292,988	10,056	10,760	647,194	718,727
March.....	221,115	341,946	354,099	285,692	9,231	10,978	664,915	738,562
April.....	240,404	377,175	359,190	293,178	10,240	11,597	692,280	739,273
May.....	280,540	438,349	366,701	309,126	10,582	11,360	740,657	863,288
June.....	293,350	464,145	381,895	311,496	11,563	11,763	774,277	896,078
July.....	295,767	461,333	388,357	312,017	9,635	11,016	791,820	891,697
August.....	294,447	439,697	351,089	302,264	8,750	11,858	755,229	859,448
September.....	253,415	407,878	314,832	271,432	7,119	10,991	674,698	778,061
October.....	237,330	370,566	293,249	250,112	9,159	9,492	638,023	701,943
November.....	226,176	294,133	260,832	235,206	10,266	8,725	592,871	624,776
December.....	214,687	256,221	283,415	234,785	9,932	7,962	602,801	584,251

¹ Includes American, Swiss, and other types of natural cheese.
National Agricultural Statistics Service.

Table 489.—Dairy products: Dec. 31 stocks, United States, 1975-89

Year	Butter ^{1 2}	Cheese ^{1 3}	Canned milk ⁴	Dry whole milk	Nonfat dry milk for human consumption ¹
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975.....	10,856	368,579	58,617	5,636	468,943
1976.....	47,058	478,465	70,677	9,085	485,396
1977.....	184,907	486,031	75,164	5,972	677,886
1978.....	206,930	457,261	70,300	4,383	585,091
1979.....	177,760	512,221	76,955	4,312	485,242
1980.....	304,646	690,730	53,009	5,268	586,770
1981.....	429,184	975,762	46,808	5,953	889,699
1982.....	466,822	1,064,224	52,878	6,024	1,281,967
1983.....	499,372	1,266,388	47,656	6,411	1,405,178
1984.....	309,849	1,061,881	41,952	5,434	1,247,633
1985.....	216,698	944,276	63,283	6,509	1,011,112
1986.....	251,789	789,100	50,553	6,692	686,841
1987.....	147,291	460,154	33,914	8,042	177,191
1988.....	214,992	397,706	45,316	12,779	53,077
1989.....	274,832	329,455	27,792	12,967	49,500

¹ Includes Government holdings. ² Includes butter equivalent of butteroil held by CCC. ³ Exclude cottage and full-skim American cheese. Includes process American cheese held by CCC. ⁴ Includes stock held by CCC. Economic Research Service.

Table 490.—Fluid milk and cream: Total and per capita consumption, United States, 1975-89¹

Year	Consumption		Year	Consumption	
	Total	Per capita		Total	Per capita
	<i>Billion pounds</i>	<i>Pounds</i>		<i>Billion pounds</i>	<i>Pounds</i>
1975.....	56.3	261	1983.....	55.2	235
1976.....	56.6	260	1984.....	56.1	237
1977.....	56.6	258	1985.....	57.3	240
1978.....	56.4	254	1986.....	57.8	240
1979.....	56.3	251	1987.....	57.8	237
1980.....	55.8	246	1988.....	58.1	236
1981.....	55.5	242	1989.....	58.9	237
1982.....	54.6	235			

¹ Sales of beverage, cream, and specialty fluid products plus farm household use.

Economic Research Service.

Table 491.—Dairy products: Total disappearance, and total and per capita civilian consumption, United States, 1975-89 ¹

Year	Butter ¹			Cheese ²			Condensed and evaporated milk ³		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975	1,024	1,012	4.7	3,115	3,072	14.3	1,239	1,118	5.3
1976	945	934	4.3	3,418	3,375	15.7	1,192	1,067	5.0
1977	950	946	4.3	3,560	3,522	16.0	1,036	940	4.3
1978	974	969	4.4	3,792	3,747	16.8	1,019	901	4.0
1979	1,016	1,011	4.5	3,909	3,862	17.2	1,028	913	4.1
1980	1,020	1,017	4.5	4,038	3,992	17.5	970	856	3.8
1981	1,107	1,075	4.2	4,240	4,181	18.2	1,035	932	4.1
1982	1,222	1,011	4.3	4,722	4,632	19.9	1,028	926	4.0
1983	1,270	1,150	4.9	4,905	4,816	20.5	978	905	3.9
1984	1,295	1,162	4.9	5,184	5,076	21.4	968	881	3.7
1985	1,345	1,164	4.9	5,501	5,376	22.5	966	877	3.7
1986	1,171	1,114	4.6	5,660	5,561	23.0	955	878	3.6
1987	1,214	1,128	4.6	5,939	5,850	24.0	977	910	3.7
1988	1,144	1,098	4.5	5,886	5,806	23.6	927	857	3.5
1989	1,218	1,067	4.3	5,958	5,900	23.7	820	754	3.0

Year	Ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975	4,015	3,945	18.5	63	16	0.08	828	703	3.3
1976	3,928	3,858	17.9	75	33	.15	911	764	3.5
1977	3,887	3,887	17.7	72	34	.16	917	729	3.3
1978	3,914	3,914	17.6	77	56	.25	1,015	690	3.1
1979	3,893	3,893	17.3	85	66	.29	1,011	740	3.3
1980	3,984	3,984	17.5	82	63	.28	1,064	686	3.0
1981	3,996	3,996	17.4	104	83	.36	1,014	493	2.1
1982	4,090	4,090	17.6	102	88	.38	1,011	492	2.1
1983	4,231	4,231	18.0	111	94	.40	1,378	526	2.2
1984	4,293	4,293	18.1	121	98	.42	1,321	596	2.5
1985	4,327	4,327	18.1	117	105	.44	1,630	540	2.3
1986	4,435	4,435	18.4	122	113	.47	1,610	597	2.5
1987	4,456	4,456	18.3	145	133	.54	1,571	612	2.5
1988	4,234	4,234	17.2	167	143	.58	1,106	633	2.6
1989	3,990	3,990	16.0	176	142	.57	882	470	1.9

¹ Total disappearance is based on production, imports, and change in stocks during the year. Production statistics for these commodities appear in other tables in this chapter. The total apparent civilian consumption was obtained by subtracting ending stocks, shipments, and exports, from the total supply. The per capita consumption for each year was obtained by dividing the total apparent consumption by the number of persons. ² Includes all kinds of cheese except cottage and full-skim American. ³ The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened (plain condensed), unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods.

Economic Research Service.

Table 492.—Dairy products: Average price per pound for specified products, 1968 and 1986-89

Item and market	1968	1986	1987	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Butter, bulk, wholesale selling prices, Chicago:					
Grade AA (93-score).....	0.6671	1.4522	1.4172	1.3412	1.2951
Grade A (92-score).....	.6668	1.4452	1.4020	1.3248	1.2793
Butter, one-pound prints, wholesale selling prices, California cities:					
Grade AA (93-score).....	.7898	1.7140	1.6748	1.6097	1.5660
Butter, spot cash call prices, ¹ Chicago Mercantile Exchange:					
Grade AA (93-score):					
High.....	.6875	1.5375	1.5000	1.3700	1.3350
Low.....	.6575	1.3625	1.3050	1.3050	1.0775
Grade A (92-score):					
High.....	.6850	1.5375	1.5000	1.3600	1.3250
Low.....	.6575	1.3625	1.3000	1.3000	1.0725
Cheese, Cheddar, f.o.b. Wisconsin Assembly Points:					
Barrels.....		1.2029	1.1698	1.1832	1.3456
40-pound blocks.....	.4522	1.2730	1.2321	1.2380	1.3918
Cheese, prices ¹ National Cheese Exchange, Inc.: ²					
Cheddar barrels:					
High.....	.4200	1.2450	1.2000	1.2875	1.5050
Low.....	.4025	1.1725	1.1000	1.0900	1.1200
Cheddar, 40-pound blocks:					
High.....	.4400	1.3050	1.3000	1.3225	1.5450
Low.....	.4225	1.2175	1.1900	1.1400	1.1775
Nonfat dry milk, f.o.b. plant, Central States Production Area:					
Extra Grade ³	⁴ .2075	.8064	.7908	.7969	1.0550
Grade A.....		.8159	.8131	.8237	1.1006
Whey Powder, f.o.b. plant, Central States Production Area:					
Edible (nonhygroscopic).....		.1316	.2351	.1882	.1776
Used for animal feed (spray process).....		.1176	.2128	.1719	.1576

¹ Prices represent high and low for the year. ² Green Bay, Wisconsin. ³ Average for high and low heat processing. ⁴ Includes Grade A.

Agricultural Marketing Service.

Table 493.—Butter: Production in specified countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>		<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:				Czechoslovakia.....	149	148	155
Canada.....	95	105	99	German Dem. Rep.....	322	310	306
Mexico.....	26	32	33	Hungary.....	33	35	34
United States.....	501	547	572	Poland.....	290	293	290
Total.....	622	684	704	Romania.....	42	40	41
				Yugoslavia.....	8	8	9
South America:				Total Eastern Europe.....	844	834	835
Argentina.....	34	35	37	Total Europe.....	2,969	2,745	2,762
Brazil.....	65	65	60				
Venezuela.....	5	4	2	Soviet Union.....	1,742	1,724	1,716
Total.....	104	104	99				
Europe:				Africa:			
Belgium and Luxembourg.....	94	81	90	South Africa.....	11	15	16
Denmark.....	96	94	92				
France.....	569	521	524	Asia:			
Germany, Fed. Rep. of.....	464	390	398	India.....	750	850	890
Greece.....	5	5	6	Japan.....	69	68	78
Ireland.....	150	139	142	Total.....	819	918	968
Italy.....	70	71	70				
Netherlands.....	234	214	208	Oceania:			
Portugal.....	8	10	11	Australia ²	104	98	101
Spain.....	29	23	26	New Zealand ³	248	276	248
United Kingdom.....	174	140	132	Total.....	352	374	349
Total EC.....	1,893	1,688	1,699	Grand total.....	6,619	6,564	6,614
Austria.....	41	42	42				
Finland.....	68	61	59				
Norway.....	25	23	22				
Sweden.....	64	61	68				
Switzerland.....	34	36	37				
Total other Western Europe.....	232	223	228				

¹ Preliminary. ² Year ending June 30. ³ Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 494.—Cheese: Production in specified countries, 1987-89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	1,00 metric tons	1,000 metric tons	1,000 metric tons		1,00 metric tons	1,000 metric tons	1,000 metric tons
North America:				Europe—Con.			
Canada.....	246	252	247	Sweden.....	107	115	109
Mexico.....	298	370	373	Switzerland.....	128	134	135
United States.....	2,424	2,527	2,531	Total other Western Europe.....	466	482	479
Total.....	2,968	3,149	3,151	Czechoslovakia.....	142	146	149
South America:				German Dem. Rep.....	264	264	273
Argentina.....	277	265	281	Hungary.....	52	54	55
Brazil.....	195	200	205	Poland.....	123	133	135
Venezuela.....	82	96	55	Romania.....	86	84	86
Total.....	554	561	541	Yugoslavia.....	48	54	54
Europe:				Total Eastern Europe.....	715	735	752
Belgium and Luxem- bourg.....	35	37	39	Total Europe.....	5,323	5,512	5,618
Denmark.....	271	258	275	Soviet Union.....	861	894	910
France ²	1,342	1,378	1,430	Africa:			
Germany, Fed. Rep. of.....	553	585	610	South Africa.....	44	43	46
Greece.....	197	203	205	Asia and Oceania:			
Ireland.....	704	737	735	Japan.....	25	26	27
Italy.....	552	559	565	Australia ³	177	176	190
Netherlands.....	47	44	45	New Zealand ⁴	113	128	124
Portugal.....	113	120	125	Total.....	315	330	341
Spain.....	263	299	285	World total.....	10,065	10,489	10,607
United Kingdom.....	4,142	4,295	4,387				
Total EC.....	78	84	84				
Austria.....	78	75	75				
Finland.....	75	74	76				
Norway.....							

¹ Preliminary. ² Includes uncured cheese. ³ Year ending June 30. ⁴ Year ending May 31.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 495.—Dairy products: United States imports by type of product, 1975-89

Year	Dried milk ¹	Cheese				Butter	Casein
		Swiss ²	Cheddar ³	Other	Total		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons
1975.....	1,121	26,717	4,834	49,862	81,413	239	26,510
1976.....	824	34,639	3,649	55,714	94,002	255	50,867
1977.....	831	33,978	4,246	56,760	94,984	337	65,429
1978.....	1,120	42,010	4,880	62,988	110,998	334	62,204
1979.....	989	34,169	4,653	73,820	112,642	357	68,415
1980.....	2,218	30,214	4,858	69,778	104,850	258	69,019
1981.....	1,248	29,990	4,750	77,600	112,340	810	57,981
1982.....	878	30,479	5,751	85,944	122,174	764	80,175
1983.....	1,136	31,045	5,781	93,014	129,840	768	72,428
1984.....	1,113	31,513	6,300	100,997	138,810	742	87,357
1985.....	1,316	31,627	5,778	99,811	137,216	852	87,321
1986.....	969	29,904	6,445	97,610	133,959	926	107,938
1987.....	1,301	26,665	4,494	88,824	119,982	905	108,136
1988.....	988	23,307	5,438	85,834	114,579	1,020	73,676
1989 ⁴	1,196	26,496	5,735	94,365	126,596	2,038	81,794

¹ Includes whole and skimmed milk. ² Includes Emmentaler with eye-formation. ³ Includes colby cheese.

⁴ Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 496.—Dairy products: United States imports by country of origin, 1987-89

Commodity and country of origin	1987	1988	1989 ¹	Commodity and country of origin	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types:				Cheese, cheddar: ²			
Canada.....	2,301	2,556	2,719	Canada.....	787	794	880
Argentina.....	4,014	5,060	5,031	Austria.....	4	0	0
Austria.....	7,383	6,319	7,543	Ireland.....	18	39	54
Belgium and Luxembourg.....	325	208	85	United Kingdom.....	139	123	236
Denmark.....	10,508	9,485	10,149	Australia.....	1,262	1,221	1,284
Finland.....	10,423	8,800	7,692	New Zealand.....	2,101	3,055	3,165
France.....	9,491	8,446	8,726	Other countries.....	183	206	118
Germany, Fed. Rep. of.....	9,230	3,579	2,578	Total.....	4,494	5,438	5,737
Iceland.....	522	189	180				
Ireland.....	1,338	1,629	935	Cheese, Swiss: ³			
Italy.....	15,998	14,238	18,755	Austria.....	6,709	5,714	7,488
Netherlands.....	6,837	5,921	10,376	Canada.....	794	983	8,656
Norway.....	7,549	7,083	7,186	Denmark.....	9,052	7,705	7,692
Portugal.....	5,509	3,530	1,152	Finland.....	281	277	7,452
Sweden.....	1,318	1,365	1,334	France.....	1,631	1,029	2,088
Switzerland.....	4,362	4,389	4,276	Germany, Fed. Rep. of.....	257	105	180
United Kingdom.....	2,177	974	2,757	Iceland.....	605	619	5,118
Israel.....	883	870	1,225	Netherlands.....	7,060	6,663	6,918
Czechoslovakia.....	236	153	130	Norway.....	3,263	3,360	4,248
Hungary.....	717	1,360	2,315	Switzerland.....	3,240	2,914	31,337
Poland.....	1,153	1,361	2,460	Other countries.....			
New Zealand.....	9,944	18,307	17,880	Total.....	32,892	29,369	81,177
Other countries.....	7,883	8,775	11,117				
Total.....	120,161	114,577	126,601				

¹ Preliminary. ² Includes colby cheese. ³ Includes Emmenthaler with eye-formation and Gruyère process cheese.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 497.—Dairy products: Exports by principal exporting countries, 1987-89

Commodity and country of destination	1987	1988	1989 ¹	Commodity and country of destination	1987	1988	1989 ¹
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Butter:				Sweetened condensed milk:			
Belgium/Luxembourg.....	160,000	164,000	160,000	United States.....	1,121	2,467	2,014
Denmark.....	70,000	60,000	55,000	Belgium/Luxembourg.....	8,464	n.a.	n.a.
France.....	182,000	172,000	108,000	France.....	32,572	n.a.	n.a.
Germany, Fed. Rep. of.....	246,000	256,000	107,000	Germany, Fed. Rep. of.....	12,300	n.a.	n.a.
Ireland.....	147,000	175,000	156,000	Netherlands.....	94,238	n.a.	n.a.
Netherlands.....	417,000	469,000	298,000	Total.....	148,695		
United Kingdom.....	133,000	119,000	65,000				
Australia ²	35,000	52,000	52,000	Milk, dried whole:			
New Zealand ³	236,000	240,000	236,000	United States.....	4,000	8,400	40,000
Total.....	1,820,000	1,890,000	1,237,000	Belgium/Luxembourg.....	133,000	93,000	117,000
				Denmark.....	107,000	86,000	92,000
Cheese: ⁴				France.....	386,000	261,000	354,000
Denmark.....	212,000	195,000	229,000	Germany, Fed. Rep. of.....	646,000	917,000	485,000
Finland.....	34,002	27,000	24,000	Ireland.....	156,000	123,000	152,000
France.....	247,000	298,000	310,000	Netherlands.....	405,000	502,000	416,000
Germany, Fed. Rep. of.....	305,000	265,000	266,000	United Kingdom.....	163,000	153,000	150,000
Ireland.....	56,000	73,000	61,000	Australia ²	136,000	123,000	110,000
Italy.....	55,000	63,000	70,000	New Zealand ³	365,000	342,000	334,000
Netherlands.....	383,000	400,000	420,000	Total.....	2,498,000	2,373,400	2,250,000
Switzerland.....	60,000	60,000	63,000				
Australia ²	61,000	74,000	60,000	Milk, nonfat dry milk:			
New Zealand ³	101,000	105,000	94,000	Canada.....	46,000	59,000	32,000
Total.....	1,788,000	1,560,000	1,597,000	United States.....	384,000	189,000	145,000
				Belgium/Luxembourg.....	87,000	51,000	75,000
Evaporated milk:				Denmark.....	22,000	5,000	4,000
United States.....	1,227	1,010	11,323	France.....	110,000	52,000	69,000
Denmark.....	11,935	n.a.	n.a.	Germany, Fed. Rep. of.....	590,000	840,000	383,000
France.....	29,098	n.a.	n.a.	Ireland.....	119,000	86,000	123,000
Germany, Fed. Rep. of.....	146,860	n.a.	n.a.	Netherlands.....	155,000	219,000	228,000
Netherlands.....	314,841	n.a.	n.a.	United Kingdom.....	102,000	83,000	81,000
United Kingdom.....	659	n.a.	n.a.	Australia ²	84,000	75,000	68,000
Total.....	504,620			New Zealand ³	183,000	183,000	154,000
				Total.....	1,893,781	1,842,000	1,362,000

¹ Preliminary. ² Year ending June 30. ³ Year ending May 31. ⁴ Excludes fresh cheese. n.a. not available.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 498.—Dairy products: United States exports ¹ by country of destination, 1987-89

Commodity and country of destination	1987	1988	1989 ²	Commodity and country of destination	1987	1988	1989 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Butter:				Cheese, all types:			
Bahamas.....	19	0	66	Australia.....	11	31	67
Canada.....	56	8	3	Bahamas.....	129	198	312
Dominican Rep.....	0	139	6	Barbados.....	31	27	41
Egypt.....	0	0	0	Bermuda.....	138	278	307
Jamaica.....	543	551	15	Belize.....	47	60	68
Mexico.....	3,030	450	6,342	Canada.....	1,442	1,741	1,983
Mozambique.....	3,175	0	0	Cayman Island.....	93	90	134
Poland.....	0	0	4,168	Chile.....	839	1	2
Trust Territory of the Pacific Islands.....	0	0	0	Colombia.....	110	63	100
Iraq.....	477	5,069	4,526	Dominican Rep.....	68	75	96
Other countries.....	172	587	5,550	Egypt.....	0	0	0
Total ³	7,472	6,804	20,676	Haiti.....	218	137	193
				Hong Kong.....	146	166	136

¹ See footnotes at end of table.

Table 498.—Dairy products: United States exports ¹ by country of destination, 1987-89—Continued

Commodity and country of destination	1987	1988	1989 ²	Commodity and country of destination	1987	1988	1989 ²
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>		<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Cheese, all types—Con.				Burkina Faso.....	5,656	851	0
Indonesia.....	12	13	60	Chad.....	0	0	0
Jamaica.....	1,033	66	108	Chile.....	3,560	1,519	560
Japan.....	929	1,137	2,233	Egypt.....	2,293	1,138	0
Korea.....	105	66	117	El Salvador.....	5,304	1,409	542
Leeward-Windward Is....	17	28	49	Ethiopia.....	4,014	2,686	0
Mexico.....	9,729	424	623	Guatemala.....	6,620	1,029	27
Mozambique.....	1,103	0	0	Haiti.....	7,653	736	4
Netherlands.....	22	23	3	India.....	0	0	0
Netherlands Antilles.....	157	151	170	Indonesia.....	4,351	3,696	1,768
Panama.....	364	255	413	Iraq.....	14,037	12,985	0
Peru.....	4	0	826	Jamaica.....	5,739	1,547	1,936
Poland.....	0	0	0	Kenya.....	0	0	0
Saudi Arabia.....	75	132	50	Mauritania.....	520	257	0
Singapore.....	54	82	103	Mexico.....	61,612	83,027	97,746
South Africa.....	46	46	82	Morocco.....	2,934	4,035	0
Taiwan.....	0	42	132	Nigeria.....	5	424	0
Trinidad and Tobago.....	75	96	65	Pakistan.....	0	0	0
Trust Territory of the Pacific Islands.....	12	0	0	Peru.....	4,706	8,299	20
Venezuela.....	20	14	19	Philippines.....	24,917	32,908	74
Other countries.....	2,531	18,565	1,619	Poland.....	0	0	0
Total.....	19,560	24,007	10,111	Senegal.....	1,526	628	306
Evaporated milk:				Somalia.....	873	0	0
Bahamas.....	56	0	9	South Africa.....	367	0	0
Haiti.....	483	363	21	Spain.....	0	1,012	255
Mexico.....	354	313	9,760	Sudan.....	0	1,555	0
Nigeria.....	0	0	0	Other countries.....	75,322	58,615	13,883
Trinidad—Tobago.....	0	0	0	Total ³	311,852	218,356	117,121
Trust Territory of the Pacific Islands.....	0	0	0	Infants dietary supplements, dry milk base:			
Other countries.....	334	334	1,533	Canada.....	228	133	309
Total.....	1,227	1,010	11,323	Dominican Republic.....	16	99	137
Condensed milk:				Bermuda.....	101	55	89
Bahamas.....	198	9	6	Bahamas.....	61	77	113
Barbados.....	0	0	0	Israel.....	12	29	7
Belize.....	0	0	0	Mexico.....	7	0	21
Bermuda.....	25	3	0	Panama.....	39	16	22
Hong Kong.....	97	54	6	Poland.....	20	24	0
Mexico.....	38	579	1,870	Peru.....	0	0	0
Netherlands Antilles.....	0	13	17	Taiwan.....	0	110	276
Trust Territory of the Pacific Islands.....	0	0	0	Hong Kong.....	549	1,002	1,150
Other countries.....	763	1,809	556	Malaysia.....	41	126	40
Total.....	1,121	2,467	2,014	Italy.....	8	3	1
Milk, nonfat dry:				Spain.....	9	22	3
Angola.....	2,955	0	0	Singapore.....	38	55	23
Austria.....	10,115	0	0	United Kingdom.....	15	57	9
Bolivia.....	7,436	3,636	0	Australia.....	77	122	87
Brazil.....	73,373	0	0	El Salvador.....	993	35	20
				Soviet Union.....	1,579	87	0
				Iraq.....	748	852	7
				Other countries.....	837	856	1,768
				Total ³	5,378	3,760	4,082

¹ Excludes exports for relief. ² Preliminary. ³ Totals may not add due to rounding.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 499.—Dairy products: Price-support operations, United States, 1975-89

Marketing year ¹	Manufacturing milk			Butter- fat ³	Product purchase price per pound ⁴			Product purchases ⁸			
	Support level		Average price re- ceived by farm- ers per cwt.		Butter ⁵	Cheddar cheese ⁶	Nonfat milk, spray proc- ess ⁷	Quantity		Percentage of milk and cream marketed by farmers	
	At National Average Milkfat test, per cwt.	Per- centage of parity equiva- lent price ²		Milk- fat con- tent				Non-fat solids con- tent	Milk- fat con- tent	Non-fat solids con- tent	
	<i>Dollars</i>	<i>Percent</i>	<i>Dollars</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Mill- ion pounds</i>	<i>Mill- ion pounds</i>	<i>Per- cent</i>	<i>Per- cent</i>
1975.....	{ 7.24	79	8.12	74.6	69.19	79.25	60.06	36	280	1.0	3.0
	{ ¹³ 7.71	84			¹³ 79.69	¹³ 85.00	¹³ 62.4				
1976.....	{ 8.13	80	8.52	¹⁵ 83.4	85.817	¹⁴ 90.50	62.4	126	213	2.9	2.1
	{ ¹⁴ 8.26	81			¹⁴ 90.817	¹⁴ 92.50					
(¹⁶).....	{ (9.00)	(82)	(8.65)		(100.71)	(98.00)	(68.0)	(139)	(362)	(6.2)	(6.9)
1977 ¹	{ 9.00	82	9.30	¹⁵ 92.0	100.71	98.00	68.0	125	343	2.9	3.4
	{ ¹⁷ 9.43	86			106.71	103.25	71.0				
1978.....	{ 9.87	80	10.86	¹⁵ 102.0	111.30	106.0	73.75	44	202	1.0	2.0
	{ ¹⁸ 10.76	87			121.80	116.0	79.0				
1979.....	{ 11.49	80	11.75	¹⁵ 119.0	131.33	124.0	84.0	301	679	6.7	6.3
	{ ¹⁹ 12.36	86			140.58	132.5	89.5				
1980.....	{ 13.10	80	12.71		149.00	139.5	94.0	465	928	9.9	8.3
	{ 13.49	75	12.66		153.00	143.25	96.5	508	1,104	10.5	9.7
1981.....	{ ²⁰ 13.10	73			149.00	139.50	94.0				
	{ 13.10	69	12.66		149.00	139.50	94.0	604	1,268	12.1	10.9
1982.....	{ 13.10	65	12.47		149.00	139.50	94.0	374	914	7.5	7.7
	{ ²¹ 12.60	62			143.25	134.75	91.0				
1983.....	{ 12.60	59	12.13		143.25	134.75	91.0	420	974	8.4	8.3
	{ ²² 12.10	57			143.25	128.75	84.75				
1984.....	{ ²³ 11.60	54			139.75	124.00	80.75				
	{ 11.60	55	11.41		139.75	²⁴ 125.00	80.75				
1985.....	{ ²⁵ 11.60	54			139.75	125.00	80.75				
	{ 11.35	53	11.58		²⁶ 137.75	²⁵ 122.50	²⁵ 78.75				
1986.....	{ 11.10	51			135.75	120.00	76.75				
	{ 10.60	49	11.03		²⁶ 132.00	²⁶ 115.25	²⁶ 72.75				
1987.....	{ 10.60	47			132.00	115.25	72.75				
	{ 11.10	49			132.00	120.50	79.0				
1988.....	{ 10.60	47	11.93		120.50	115.50	79.0				
	{ 10.60	45			109.25	111.00	79.0				
1989.....	{ 10.10	43			98.25	111.00	85.0				

¹ Marketing year changed from April-March to October-September on Oct. 1, 1977. ² Percentage of the parity equivalent price for manufacturing milk and the parity price for butterfat as of the beginning of the marketing year.

³ The Agricultural Act of 1949, as amended, required that the price of butterfat be supported through March 31, 1970. This requirement was superseded by the Agricultural Act of 1970 and terminated by the Agriculture and Consumer Protection Act of 1973. ⁴ Announced purchase prices for products in bulk containers. ⁵ Through March 31, 1985, indicated price is for Chicago (which represents an approximate U.S. average purchase price) based on New York prices less 80 percent of the lowest rail freight rate from Chicago to New York. Effective April 1, 1985, single nationwide price. ⁶ U.S. Grade A or higher, standard moisture basis. ⁷ U.S. Extra Grade, not more than 3.5 percent moisture content. Prices quoted are for product in 100-lb. bags, Nov. 4, 1955 through Aug. 18, 1967 and 50-lb. bags beginning Aug. 19, 1967. ⁸ Milkfat and nonfat solids content of butter, cheese, and nonfat dry milk purchased under price support and related programs. (Excludes purchases of fluid milk partly paid for by OCC under military and veterans milk program). Includes purchases at market prices for domestic school lunch and welfare programs beginning with the 1968-67 marketing year and ending in the 1973-74 marketing year under Section 709 of the Food and Agriculture Act of 1965. Includes purchases with Section 32 funds for distribution to needy persons of evaporated milk beginning in the 1968-69 marketing year and purchases of dry whole milk during 1971-72 through 1974-75. Purchases were also made in 1973-74 through 1975-76 marketing year under Section 4(a) of the Agriculture and Consumer Protection Act of 1973. ⁹ Effective Jan. 10, 1971. ¹⁰ Effective Mar. 15, 1973. ¹¹ Effective Aug. 10, 1973. ¹² Effective Jan. 4, 1975. ¹³ Effective Oct. 2, 1975. ¹⁴ Effective Oct. 1, 1976. ¹⁵ Calendar year average, discontinued after 1979. ¹⁶ Transition period. ¹⁷ Effective Apr. 1, 1978 (80 percent of parity as of that date). ¹⁸ Effective Apr. 1, 1979 (78 percent of parity as of that date). ¹⁹ Effective Apr. 1, 1980 (79 percent of parity as of that date). ²⁰ Effective Oct. 21, 1981. ²¹ Effective Dec. 1, 1983. ²² Effective Apr. 1, 1985. ²³ Effective July 1, 1985. ²⁴ Effective Dec. 23, 1985. ²⁵ Effective Dec. 23, 1986. ²⁶ Effective Jan. 1, 1988.

Agricultural Stabilization and Conservation Service.

Table 500.—Dairy products: United States exports ¹ by type of product, 1975-89

Year	Butter	Cheese	Milk and cream			
			Evaporated (unsweet- ened)	Condensed (sweetened)	Whole dried	Nonfat dry milk
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1975	313	3,879	24,019	957	15,783	41,074
1976	199	3,939	20,185	2,141	14,098	4,684
1977	272	4,660	13,057	2,408	10,579	17,580
1978	270	4,775	14,967	1,819	5,877	49,840
1979	424	5,405	17,968	1,531	4,418	68,135
1980	391	5,715	17,435	2,037	3,474	101,060
1981	53,583	5,731	14,469	1,049	2,663	112,705
1982	62,682	17,959	8,355	167	2,604	126,416
1983	27,577	17,447	2,272	280	1,950	250,944
1984	44,178	16,731	3,290	377	1,041	268,875
1985	29,965	15,695	4,425	838	749	347,325
1986	6,165	12,434	2,287	2,622	1,317	365,922
1987	7,474	19,560	1,227	1,121	3,477	299,529
1988	6,804	13,602	1,010	2,467	8,396	218,356
1989 ²	20,676	10,111	11,323	2,455	39,975	127,160

¹ Excludes exports for relief and charity. ² Preliminary.

Foreign Agricultural Service. Compiled from reports of the U.S. Department of Commerce.

Table 501.—Chickens: Number and value, United States, Dec. 1, 1975-89 ¹

Year	Hens	Pullets			Other chickens	All chickens	Value per head	Total value
		Of laying age	3 months old and older not of laying age	Under 3 months old				
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975	122,513	157,230	48,404	46,261	5,346	379,754	1.74	659,960
1976	119,083	160,695	47,776	45,175	5,632	378,361	1.70	643,720
1977	117,645	169,032	47,653	46,191	5,997	386,518	1.69	651,851
1978	123,191	170,115	48,992	48,681	5,954	396,933	1.75	696,019
1979	120,140	174,793	50,186	49,048	6,418	400,585	1.81	726,365
1980	122,058	172,009	47,183	44,358	6,323	391,931	1.88	737,495
1981	128,946	164,840	42,400	42,298	6,836	385,338	1.89	728,460
1982	133,382	156,255	40,479	42,547	6,556	379,219	1.85	702,556
1983	132,674	145,843	37,747	42,331	6,285	364,880	1.96	716,700
1984	119,243	166,605	39,013	42,703	6,444	374,008	2.02	754,312
1985	130,623	149,146	37,649	44,512	6,618	368,548	1.90	700,150
1986	125,040	154,900	40,225	41,746	7,220	369,131	1.87	690,818
1987	124,743	161,021	41,028	44,457	6,478	377,727	1.87	706,131
1988	122,834	152,613	33,738	40,859	6,061	356,105	2.04	726,442
1989 ²	117,296	153,332	35,767	43,407	5,988	355,790	2.16	769,327

¹ Does not include commercial broilers. ² Preliminary.

National Agricultural Statistics Service.

Table 502.—Chickens: Hens and pullets of laying age, by States, Dec. 1, 1987-89

State	Hens and pullets of laying age								
	Hens			Pullets			Total		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
AL.....	4,955	4,270	2,995	6,455	5,695	6,600	11,410	9,965	9,595
AK.....	1	3	2	3	1	2	4	4	4
AZ.....	221	200	215	149	100	100	370	300	315
AR.....	5,597	6,138	6,566	11,053	7,955	9,029	16,650	14,093	15,595
CA.....	15,800	18,400	18,400	18,200	13,400	12,200	34,000	31,800	30,600
CO.....	1,440	1,570	1,100	1,550	1,605	2,026	2,990	3,175	3,126
CT.....	2,505	2,611	1,590	1,997	1,590	1,846	4,502	4,201	3,436
DE.....	131	193	247	545	415	479	676	608	726
FL.....	6,810	7,510	5,960	4,850	3,830	4,660	11,160	11,340	10,620
GA.....	6,932	5,947	8,355	11,724	12,240	9,649	18,656	18,187	18,004
HI.....	598	633	698	384	372	289	982	1,005	987
ID.....	550	465	425	370	405	305	920	870	730
IL.....	1,240	1,190	1,160	1,820	2,000	1,990	3,060	3,190	3,150
IN.....	9,200	6,300	4,350	13,340	15,650	16,476	22,540	21,950	20,826
IA.....	3,800	3,500	4,630	4,400	4,700	3,540	7,700	8,200	8,170
KS.....	660	550	950	1,140	1,120	775	1,800	1,670	1,725
KY.....	950	850	800	985	960	927	1,935	1,810	1,727
LA.....	580	740	550	870	640	660	1,450	1,380	1,210
ME.....	3,240	2,737	1,371	1,927	1,973	2,624	5,167	4,710	3,995
MD.....	1,415	1,054	1,212	2,209	2,484	2,338	3,624	3,538	3,550
MA.....	305	417	338	585	541	521	890	958	859
MI.....	2,650	2,200	2,000	3,950	3,600	3,600	6,600	5,800	5,600
MN.....	4,400	4,500	4,000	5,200	4,500	5,500	9,600	9,000	9,500
MS.....	2,279	2,918	2,671	2,893	2,387	2,882	5,172	5,305	5,553
MO.....	2,500	3,100	2,700	4,600	2,800	3,800	7,100	5,900	6,500
MT.....	331	285	271	439	405	399	770	690	670
NE.....	1,800	1,740	2,325	2,080	1,840	2,155	3,880	3,580	4,480
NV.....	10	9	8	3	4	5	13	13	13
NH.....	98	102	51	167	108	134	265	210	185
NJ.....	1,070	735	550	580	965	1,150	1,650	1,700	1,700
NM.....	660	605	715	560	477	472	1,220	1,082	1,187
NY.....	1,500	1,600	1,700	2,800	2,550	2,100	4,300	4,150	3,800
NC.....	5,745	4,710	5,600	8,455	9,700	7,830	14,200	14,410	13,430
ND.....	95	132	60	140	108	155	235	240	215
OH.....	9,000	7,000	8,400	8,600	10,450	8,400	17,600	17,450	16,800
OK.....	970	1,540	1,835	2,480	2,465	1,795	3,450	4,005	3,630
OR.....	1,300	1,460	1,680	1,005	1,040	980	2,305	2,500	2,660
PA.....	7,600	6,700	6,200	12,200	13,300	13,250	19,800	20,000	19,450
RI.....	89	128	62	104	53	186	193	181	198
SC.....	2,570	2,030	1,270	3,710	3,145	4,115	6,280	5,175	5,885
SD.....	600	640	430	900	630	1,130	1,500	1,270	1,560
TN.....	1,260	730	600	1,210	1,000	650	2,470	1,730	1,250
TX.....	6,500	7,100	5,450	7,600	6,600	8,400	14,100	13,700	13,850
UT.....	1,086	1,237	1,166	835	631	613	1,921	1,868	1,779
VT.....	99	44	43	116	121	90	215	165	133
VA.....	1,531	1,748	1,429	2,034	1,919	2,007	3,565	3,667	3,436
WA.....	2,160	2,768	2,885	2,899	2,106	1,844	5,059	4,874	4,729
WV.....	347	271	200	271	196	300	618	467	500
WI.....	1,570	1,515	1,075	2,160	1,830	2,400	3,730	3,345	3,475
WY.....	13	9	6	10	7	4	23	16	10
US.....	125,763	122,834	117,296	162,557	152,613	153,332	288,320	275,447	270,628

¹ Preliminary.
National Agricultural Statistics Service.

Table 503.—Chickens: Pullets not of laying age, and other chickens, by States, Dec. 1, 1987–89

State	Pullets 3 months old and older not of laying age			Pullets under 3 months old			Other chickens		
	1987	1988	1989 ¹	1987	1988	1989 ¹	1987	1988	1989 ¹
	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands	Thou- sands
AL.....	2,000	1,855	2,045	2,040	2,075	2,275	855	775	830
AK.....	0	1	1	1	0	0	1	0	0
AZ.....	6	3	2	4	1	0	5	6	3
AR.....	3,654	3,113	3,138	3,941	3,198	3,200	1,098	1,031	1,034
CA.....	3,400	2,200	2,200	3,100	2,600	2,800	200	200	200
CO.....	234	310	193	240	498	297	6	3	43
CT.....	818	754	600	1,090	650	600	80	8	11
DE.....	107	235	181	175	76	95	69	67	67
FL.....	980	1,260	1,260	1,580	1,160	970	150	130	100
GA.....	3,038	1,981	3,478	3,324	2,606	3,838	977	813	960
HI.....	124	135	132	106	77	97	0	0	0
ID.....	213	245	183	156	156	188	11	9	9
IL.....	380	340	230	520	200	380	50	30	30
IN.....	3,150	2,450	2,700	3,215	3,350	3,590	75	50	34
IA.....	1,130	1,150	1,490	890	870	2,160	80	80	80
KS.....	210	250	125	180	320	275	10	10	15
KY.....	180	70	90	435	330	240	50	40	43
LA.....	370	330	335	330	295	345	100	95	110
ME.....	1,012	874	195	1,103	835	1,242	9	6	4
MD.....	502	241	390	678	970	461	60	72	84
MA.....	134	38	56	222	182	138	24	24	20
MI.....	720	570	650	1,150	1,000	730	30	30	20
MN.....	1,000	1,000	1,315	1,250	1,645	1,835	50	55	50
MS.....	1,047	1,050	1,320	1,348	1,332	1,538	358	416	395
MO.....	1,000	830	530	500	1,100	900	100	70	70
MT.....	152	84	92	61	131	124	7	5	4
NE.....	200	185	270	350	370	495	20	15	5
NV.....	3	2	2	1	1	1	1	1	1
NH.....	21	50	61	75	46	17	4	3	3
NJ.....	90	25	90	5	120	105	5	5	5
NM.....	80	123	114	141	112	106	4	3	3
NY.....	480	410	520	600	470	750	20	20	30
NC.....	2,960	2,535	2,750	3,050	2,050	2,700	730	760	740
ND.....	52	7	16	23	4	5	5	4	4
OH.....	3,700	2,740	2,200	3,200	2,780	2,800	100	30	20
OK.....	670	350	445	590	400	585	140	145	140
OR.....	280	60	350	370	470	120	20	20	20
PA.....	2,400	1,560	1,950	2,920	2,710	2,270	130	130	130
RI.....	53	39	2	32	21	6	7	1	0
SC.....	730	740	475	1,030	1,055	730	60	80	70
SD.....	114	95	72	182	131	195	4	4	3
TN.....	290	150	260	410	130	90	80	60	80
TX.....	1,600	1,490	1,425	2,100	2,500	2,135	400	510	340
UT.....	232	202	158	260	186	193	3	4	3
VT.....	27	35	6	38	16	11	3	1	2
VA.....	771	504	691	549	433	687	215	167	105
WA.....	390	609	548	540	590	537	16	12	12
WV.....	45	112	160	73	116	120	54	35	30
WI.....	390	345	270	290	490	430	30	25	25
WY.....	1	1	1	1	1	1	2	1	1
US.....	41,140	33,738	35,767	44,469	40,859	43,407	6,508	6,061	5,988

¹ Preliminary.

National Agricultural Statistics Service.

Table 504.—Chickens: Number, value per head, and total value, by States, Dec. 1, 1987-89 ¹

State	Number			Value per head			Total value		
	1987	1988	1989 ²	1987	1988	1989 ²	1987	1988	1989 ²
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	16,305	14,670	14,745	2.30	2.90	3.45	37,502	42,543	50,870
AK.....	6	5	5	4.10	4.60	4.50	25	23	23
AZ.....	385	310	320	1.60	1.60	2.40	616	496	768
AR.....	25,343	21,435	22,967	2.70	3.60	3.70	68,426	77,166	84,978
CA.....	40,700	36,800	35,800	1.75	1.60	1.95	71,225	58,880	69,810
CO.....	3,470	3,986	3,659	1.45	1.60	2.25	5,032	6,378	8,233
CT.....	6,490	5,613	4,647	2.60	1.90	2.15	16,874	10,665	9,991
DE.....	1,027	986	1,069	4.35	5.00	4.85	4,467	4,930	4,650
FL.....	13,870	13,890	12,950	1.30	1.55	1.75	18,031	21,530	22,663
GA.....	25,995	23,587	26,280	2.45	2.60	2.70	63,688	61,326	70,956
HI.....	1,212	1,217	1,216	2.95	2.80	2.40	3,575	3,408	2,918
ID.....	1,030	1,280	1,110	1.35	1.40	1.65	1,755	1,792	1,832
IL.....	4,010	3,760	3,790	1.95	1.55	1.55	7,820	5,828	5,875
IN.....	28,980	27,800	27,150	1.30	1.25	1.25	37,674	34,750	33,988
IA.....	9,800	10,300	11,900	1.60	1.75	1.45	15,680	18,025	17,255
KS.....	2,200	2,250	2,140	1.25	1.15	1.20	2,750	2,588	2,568
KY.....	2,600	2,250	2,100	1.70	1.90	1.70	4,420	4,275	3,570
LA.....	2,250	2,100	2,000	2.15	2.25	2.95	4,838	4,725	5,900
ME.....	7,291	6,425	5,436	2.25	2.25	1.90	16,405	14,456	10,328
MD.....	4,864	4,821	4,485	1.80	2.65	4.35	8,755	12,776	19,510
MA.....	1,270	1,202	1,073	2.10	1.85	1.75	2,667	2,224	1,878
MI.....	8,500	7,400	7,000	1.30	1.55	1.35	11,050	11,470	9,450
MN.....	11,900	11,700	12,700	1.45	1.45	1.65	17,255	16,965	20,955
MS.....	7,925	8,103	8,806	2.80	3.15	2.90	22,190	25,524	25,537
MO.....	8,700	7,900	8,000	1.75	1.60	1.55	15,225	12,640	12,400
MT.....	990	910	890	2.45	2.30	2.55	2,426	2,093	2,270
NE.....	4,450	4,150	5,250	2.40	1.95	2.20	10,680	8,093	11,550
NV.....	18	17	17	3.10	3.20	2.75	56	54	47
NH.....	365	309	266	2.20	2.20	2.25	803	680	625
NJ.....	1,750	1,850	1,900	2.20	2.45	2.55	3,850	4,533	4,845
NM.....	1,445	1,320	1,410	2.00	1.40	1.70	2,890	1,848	2,397
NY.....	5,400	5,050	5,100	1.85	1.85	1.95	9,990	9,343	9,945
NC.....	20,940	19,755	19,620	1.55	3.10	2.75	32,457	61,241	53,955
ND.....	315	255	240	2.20	2.20	2.10	693	561	504
OH.....	24,600	23,000	21,820	1.40	1.30	1.25	34,440	29,900	27,275
OK.....	4,850	4,900	4,800	3.25	3.15	2.85	15,763	15,435	13,680
OR.....	2,975	3,050	3,150	1.60	1.60	2.05	4,760	4,880	6,458
PA.....	25,250	24,400	23,800	1.70	1.70	1.75	42,925	41,480	41,650
RI.....	285	242	206	2.85	1.95	2.20	812	472	453
SC.....	8,100	7,050	6,660	1.40	2.05	1.95	11,340	14,453	12,987
SD.....	1,800	1,500	1,830	1.85	1.65	1.85	3,330	2,475	3,386
TN.....	3,250	2,070	1,680	1.25	1.25	1.45	4,063	2,588	2,436
TX.....	18,200	18,200	17,750	1.70	1.75	1.85	30,940	31,850	32,838
UT.....	2,416	2,260	2,133	1.80	1.65	1.60	4,349	3,729	3,413
VT.....	283	217	152	2.15	2.20	1.75	608	477	266
VA.....	5,100	4,771	4,919	3.15	3.20	3.60	16,065	15,267	17,708
WA.....	6,005	6,085	5,826	1.60	1.65	2.00	9,608	10,040	11,652
WV.....	790	730	810	3.15	3.25	4.55	2,489	2,373	3,686
WI.....	4,440	4,205	4,200	1.70	1.70	2.05	7,548	7,149	8,610
WY.....	27	19	13	2.55	2.65	2.95	69	50	38
US.....	380,437	356,105	355,790	1.87	2.04	2.16	710,895	726,442	769,527

¹ Excludes commercial broilers. ² Preliminary.

National Agricultural Statistics Service.

Table 505.—Total poultry meat: Production in specified countries, 1987-89

Continent and country	1987	1988	1989 ¹
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
North America:			
Canada	646	656	660
Mexico	515	592	635
United States	9,103	9,426	10,106
Total	10,264	10,674	11,401
Central America:			
Guatemala	74	78	83
South America:			
Argentina	410	370	315
Brazil	1,865	1,997	2,139
Venezuela	413	373	253
Total	2,688	2,740	2,707
Europe:			
Belgium and Luxembourg	172	186	179
Denmark	113	117	128
France	1,393	1,434	1,520
Germany, Fed. Rep. of	389	411	425
Greece	148	150	154
Ireland	58	59	60
Italy	982	996	1,025
Netherlands	471	485	490
Portugal	197	205	207
Spain	790	829	831
United Kingdom	999	1,056	1,070
Total EC	5,712	5,928	6,089
Austria	75	75	75
Finland	27	28	31
Sweden	46	47	47
Switzerland	29	31	32
Total other Western Europe	177	181	185
Bulgaria	169	170	170
Czechoslovakia	181	211	216
Germany, Dem. Rep.	157	165	160
Hungary	470	465	420
Poland	343	351	348
Romania	425	370	365
Yugoslavia	323	330	320
Total Eastern Europe	2,068	2,062	1,999
Total Europe	7,957	8,171	8,273
Soviet Union	3,126	3,184	3,300
Africa:			
Egypt	150	135	110
South Africa	523	545	552
Total Africa	673	680	662
Asia, Middle East, and Oceania:			
Australia	403	401	406
China	2,040	2,744	2,840
Hong Kong	40	35	34
India	206	221	289
Iraq	211	235	225
Israel	157	178	178
Japan	1,465	1,471	1,482
Korea	144	153	158
Kuwait	19	20	21
New Zealand	47	50	55
Philippines	215	235	263
Saudi Arabia	236	248	241
Singapore	62	63	58
Syria	75	80	85
Taiwan	400	418	462
Thailand	464	511	553
Turkey	221	236	254
United Arab Emirates	14	14	14
Yemen (Sanaa)	70	80	85
Total	6,489	7,393	7,703
Grand total	31,271	32,920	34,129

¹ Preliminary.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 506.—Chickens: Lost, sold, and value of sales, 1989 (preliminary) ¹

State	Number lost ²	Number sold	Pounds sold	Price per pound	Value of sales
	1,000 head	1,000 head	1,000 pounds	Cents	1,000 dollars
AL.....	1,300	9,500	43,700	15.8	6,905
AK.....	1	6	30	(³)	(³)
AZ.....	19	149	596	8.0	48
AR.....	2,800	17,700	79,650	16.6	13,222
CA.....	3,900	17,900	75,180	7.8	5,864
CO.....	325	2,040	11,424	16.0	1,828
CT.....	303	2,091	10,455	12.0	1,255
DE.....	180	700	5,250	17.0	893
FL.....	1,700	4,800	23,040	14.4	3,318
GA.....	2,780	13,100	74,670	20.0	14,934
HI.....	143	360	1,260	13.0	164
ID.....	413	652	2,543	5.9	150
IL.....	300	2,600	11,700	11.4	1,334
IN.....	2,800	14,900	53,640	12.5	6,705
IA.....	1,200	6,400	22,400	13.7	3,069
KS.....	90	1,100	5,390	16.6	895
KY.....	300	1,500	5,250	14.0	735
LA.....	280	1,250	7,750	15.4	1,194
ME.....	623	1,794	8,970	12.0	1,076
MD.....	560	3,400	18,020	17.0	3,063
MA.....	51	923	4,615	12.0	554
MI.....	620	3,900	18,330	13.0	2,383
MN.....	1,100	6,200	22,940	13.0	2,982
MS.....	1,200	6,400	44,160	18.1	7,993
MO.....	950	4,500	18,000	13.0	2,340
MT.....	82	703	2,812	7.0	197
NE.....	450	1,170	5,148	12.5	644
NV.....	4	4	16	13.0	2
NH.....	10	172	860	12.0	103
NJ.....	14	1,250	5,125	17.0	871
NM.....	86	537	2,094	5.0	105
NY.....	500	3,700	14,800	10.8	1,598
NC.....	1,600	11,800	89,680	19.6	17,577
ND.....	120	220	880	12.5	110
OH.....	2,000	10,000	37,000	14.6	5,402
OK.....	540	2,700	22,140	16.6	3,675
OR.....	290	1,250	6,250	7.0	438
PA.....	2,000	17,800	80,100	17.0	13,617
RI.....	11	106	519	12.0	62
SC.....	700	3,400	15,300	16.2	2,479
SD.....	200	800	3,200	7.0	224
TN.....	190	1,170	5,148	16.8	865
TX.....	1,700	8,200	28,700	12.0	3,444
UT.....	170	930	3,720	7.0	260
VT.....	26	84	420	12.0	50
VA.....	245	2,757	19,299	14.3	2,760
WA.....	520	3,300	12,210	7.0	855
WV.....	90	450	2,835	14.7	417
WI.....	350	2,600	9,880	13.0	1,284
WY.....	11	10	56	5.0	3
US.....	35,847	198,978	937,156	14.9	139,943

¹ Estimates cover the 12-month period, Dec. 1, previous year through Nov. 30 and excludes broilers. ² Includes death and other losses during the 12-month period. ³ Discontinued in 1989.

National Agricultural Statistics Service.

Table 507.—Chickens: Production, disposition, cash receipts, and gross income, United States, 1975-89 ¹

Year	Number				
	Raised	Lost ²	Produced ³	Consumed on production units	Sold
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1975.....	276,035	43,210	232,825	13,451	223,721
1976.....	270,678	42,077	228,601	12,775	217,219
1977.....	288,162	42,775	245,387	12,164	225,066
1978.....	283,066	41,371	241,695	11,420	219,860
1979 ⁴	293,260	42,545	250,715	11,207	235,856
1980.....	285,057	44,421	240,636	10,795	238,495
1981.....	282,953	40,468	242,485	10,502	238,576
1982.....	281,365	35,191	246,174	10,266	242,027
1983.....	272,551	40,835	231,716	9,345	236,710
1984.....	288,698	46,369	242,469	8,677	224,829
1985.....		37,552			220,395
1986.....		36,270			218,238
1987.....		36,639			217,688
1988.....		37,202			224,458
1989 ⁵		35,847			198,978

Year	Pounds (live weight)			Price per pound live weight	Value of chickens produced	Cash receipts (sales)	Value of chickens consumed on production units	Gross income
	Produced	Consumed on production units	Sold					
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	1,066,512	51,393	1,047,000	9.9	104,669	104,093	5,175	109,268
1976.....	1,108,914	49,595	1,046,091	13.0	144,981	135,539	6,279	141,818
1977.....	1,171,656	47,491	1,082,313	12.3	145,429	132,675	5,706	138,381
1978.....	1,136,231	44,606	1,050,474	12.4	141,840	130,048	5,476	135,524
1979 ⁴	1,216,156	43,802	1,147,638	13.9	170,593	160,088	6,084	166,172
1980.....	1,177,554	41,776	1,167,017	11.0	128,698	128,268	4,539	132,807
1981.....	1,214,886	41,443	1,187,255	11.1	135,282	132,271	4,508	136,779
1982.....	1,171,585	40,399	1,158,703	10.3	121,021	118,915	4,080	122,995
1983.....	1,137,215	36,820	1,158,551	12.7	145,327	147,454	4,670	152,124
1984.....	1,137,774	34,246	1,066,652	15.9	169,526	169,732	5,488	175,220
1985.....			1,025,146	14.8	151,682			
1986.....			1,025,716	12.5	127,730			
1987.....			1,018,400	11.0	111,827			
1988.....			1,038,817	9.2	95,294			
1989 ⁵			937,156	14.9	139,943			

¹ Excludes broiler production. ² Loss during year. ³ The quantity available for utilization during the year, i.e., sales plus home consumption plus or minus the change in inventory. ⁴ Included are layers destroyed because of possible PCB contamination. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 508.—Chickens and turkeys: Participation in the National Poultry and Turkey Improvement Plans, by States 1988 ¹

State	National Poultry Improvement Plan				National Turkey Improvement Plan			
	Hatcheries		Supply flocks		Hatcheries		Supply flocks	
	Number	Egg capacity	Flocks	Birds	Number	Egg capacity	Flocks	Birds
		Thous- sands	Number	Thous- sands		Thous- sands	Number	Thous- sands
AL.....	51	75,358	579	8,998				
AZ.....			1	(²)				
AR.....	42	37,441	459	5,704	2	1,205	23	150
CA.....	3	(²)	10	108	7	(²)	131	764
CO.....			1	9	2	945	11	120
CT.....	6	1,973	176	339				
DE.....	3	11,361	20	68				
FL.....	33	13,512	151	1,387	2	394		
GA.....	34	65,221	663	8,015	1	400		
ID.....	2	1,158	10	97				
IL.....	97	1,390	216	168	2	612	3	31
IN.....	28	8,844	178	249	4	825	70	182
IA.....	24	5,190	83	219	3	357		
KS.....	17	1,444	160	19	2	577	21	47
KY.....	6	1,424	21	78				
LA.....	2	3,175	105	847				
ME.....	5	2,506	83	160	1	(²)	6	2
MD.....	17	28,101	283	200	2	33	3	(²)
MA.....	4	1,604	176	119			3	2
MI.....	3	1,195	34	99	1	617	5	34
MN.....	58	7,806	107	494	8	10,031	141	926
MS.....	77	32,259	324	3,641				
MO.....	17	5,297	249	97	5	4,020	106	503
MT.....	4	10	3	(²)				
NE.....	12	1,231	57	21			6	20
NH.....	1	1,200	41	13	1	58	3	1
NJ.....	16	274	30	18				
NM.....	6	778	9	21	3	350		
NY.....	97	2,712	195	95				
NC.....	37	58,142	913	9,364	8	6,841	157	1,088
ND.....	2	96	7	4			2	(²)
OH.....	17	2,626	148	330	3	2,718	72	537
OK.....	43	7,651	527	866	2	763		
OR.....	11	4,923	20	75	3	405	4	21
PA.....	28	16,685	122	891	3	193	5	20
RI.....			21	1	1	20	1	(²)
SC.....	147	2,970	53	559	1	832	13	134
SD.....	21	1,104	38	44	1	10		
TN.....	15	894	21	78				
TX.....	30	9,031	85	267	2	646	26	227
UT.....	1	840	1	10	3	840	2	46
VT.....			16	15				
VA.....	6	9,751	238	1,913	3	1,788	43	213
WA.....	7	2,363	46	153			4	26
WV.....	2	2,058	(²)	(²)	1	215	2	49
WI.....	30	3,404	29	221	3	976	15	98
US.....	1,062	434,460	6,745	46,924	81	36,752	881	5,243

¹ Year beginning July 1, 1988. ² Not reported. ³ Less than 1,000 birds.
 Animal and Plant Health Inspection Service.

Table 509.—Chickens: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1975-89

Year	Production			Com- mercial storage at begin- ning of year	Exports	Com- mercial storage at end of year	Consumption	
	Com- mercial broilers	Other chickens	Total ¹				Total ^{1 3}	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975.....	8,127	696	8,823	175	155	115	8,728	40.4
1976.....	9,067	684	9,752	115	323	155	9,389	43.1
1977.....	9,418	700	10,118	155	349	139	9,785	44.4
1978.....	10,129	665	10,794	139	361	102	10,469	47.0
1979.....	11,219	731	11,950	102	438	142	11,471	51.0
1980.....	11,353	756	12,109	142	620	137	11,494	50.5
1981.....	11,985	757	12,743	137	763	149	11,967	52.0
1982.....	12,167	744	12,912	149	525	135	12,401	53.3
1983.....	12,400	717	13,117	135	450	113	12,690	54.1
1984.....	13,016	672	13,688	113	433	139	13,229	55.8
1985.....	13,762	636	14,398	139	438	171	13,928	58.2
1986.....	14,316	627	14,943	171	583	187	14,344	59.4
1987.....	15,597	638	16,235	187	767	213	15,442	63.3
1988.....	16,187	633	16,820	213	791	193	16,049	65.1
1989 ²	17,864	575	18,003	192	838	228	17,130	68.9

¹ Totals may not add due to rounding. ² Preliminary. ³ Shipments to territories now included in total consumption.

Economic Research Service.

Table 510.—Chickens: Broiler production and value, United States, 1975-89 ¹

Year	Production		Price per pound ²	Value of produc- tion ³	Year	Production		Price per pound ²	Value of produc- tion ³
	Number	Weight				Number	Weight		
	<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Thou- sands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975 ⁴	2,950,099	11,096,015	26.3	2,915,017	1983.....	4,183,660	17,037,998	28.6	4,872,707
1976.....	3,273,556	12,481,136	23.6	2,945,058	1984.....	4,283,020	17,861,023	33.7	6,020,066
1977.....	3,393,897	12,961,942	23.6	3,059,497	1985.....	4,469,578	18,809,938	30.1	5,668,272
1978.....	3,613,647	13,999,702	26.3	3,675,628	1986.....	4,648,520	19,661,110	34.5	6,784,088
1979.....	3,951,291	15,521,728	26.0	4,031,945	1987.....	5,003,560	21,523,356	28.7	6,177,127
1980.....	3,963,211	15,538,573	27.7	4,302,818	1988.....	5,237,901	22,464,480	33.1	7,435,105
1981.....	4,147,521	16,519,568	28.4	4,699,379	1989 ⁵	5,518,133	23,984,837	36.6	8,779,882
1982.....	4,148,970	16,759,860	26.9	4,502,214					

¹ Broilers are young chickens of the heavy breeds and other meat-type birds, to be marketed at 2-5 pounds live weight, and from which no pullets are kept for egg production. These figures are not included in farm production of chickens. ² Live weight equivalent price. ³ Includes value of consumption in households of producers, which is less than 1 percent of total production. ⁴ Commercial broilers reported on a Dec. 1 through Nov. 30 marketing year.

⁵ Preliminary.

National Agricultural Statistics Service.

Table 511.—Chickens: Broiler production and gross income, by States, 1988 and 1989 ¹

State	1988				1989 ⁴			
	Production		Price per pound ²	Value of production ³	Production		Price per pound ²	Value of production ³
	Number	Weight			Number	Weight		
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL.....	702,784	2,881,414	32.5	936,460	750,074	3,150,311	36.0	1,134,112
AR.....	896,832	3,677,011	34.0	1,250,184	920,498	3,866,092	38.0	1,469,115
CA.....	212,199	997,335	34.0	339,094	222,382	1,045,195	34.5	360,592
DE.....	217,455	1,087,275	36.5	396,855	226,415	1,132,075	40.5	458,490
FL.....	123,198	505,112	31.0	156,585	123,562	518,960	35.0	181,636
GA.....	772,825	3,400,430	31.5	1,071,135	811,964	3,572,642	35.0	1,250,425
HI.....	2,261	9,496	52.0	4,938	2,249	9,446	49.0	4,628
IA.....	2,900	26,100	32.0	8,352	4,000	28,000	36.0	10,080
KY.....	2,704	11,086	32.0	3,548	2,272	9,542	36.0	3,435
MD.....	252,409	1,085,320	36.5	396,142	257,766	1,108,394	40.5	448,899
MI.....	770	3,311	35.0	1,159	760	3,268	37.0	1,209
MN.....	33,100	155,570	32.0	49,732	38,200	183,360	36.0	66,010
MS.....	360,971	1,479,981	34.0	503,194	387,336	1,626,811	36.5	593,736
MO.....	54,500	239,800	33.0	79,134	70,100	308,440	38.0	117,207
NE.....	1,129	6,210	38.0	2,360	2,150	13,975	40.0	5,590
NY.....	2,500	11,250	34.0	3,825	3,300	15,180	36.0	5,465
NC.....	500,100	2,300,460	31.0	713,143	523,000	2,458,100	34.5	848,045
OH.....	14,500	62,350	28.5	17,770	16,000	72,000	29.0	20,880
OK.....	120,900	471,510	33.0	155,598	135,100	526,890	37.5	197,584
OR.....	17,300	83,040	33.0	27,403	20,000	92,000	35.0	32,200
PA.....	126,900	532,980	33.0	175,883	127,700	549,110	37.0	203,171
SC.....	70,832	283,328	31.5	89,248	76,905	307,620	35.5	109,205
TN.....	87,000	365,400	31.0	113,274	99,300	426,990	34.0	145,177
TX.....	266,300	1,118,460	35.0	391,461	291,600	1,253,880	38.5	482,744
VA.....	175,748	790,866	33.5	264,940	182,371	802,432	37.0	296,900
WA.....	28,200	129,720	31.5	40,862	30,500	140,300	36.0	50,508
WV.....	35,166	130,114	33.5	43,588	35,348	130,788	37.0	48,391
WI.....	13,100	56,330	32.0	18,026	11,600	49,880	32.0	15,962
Other States.....	143,327	563,220	32.2	181,163	145,681	583,156	37.5	218,436
Total.....	5,237,901	22,464,480	33.1	7,435,105	5,518,133	23,984,837	36.6	8,779,882

¹ Commercial broiler production including other meat-type breeds; excludes States producing less than 500,000 birds. Estimates of commercial broilers are for a Dec. 1 through Nov. 30 marketing year. ² Live-weight equivalent price. ³ Value income including home consumption. ⁴ Preliminary.

National Agricultural Statistics Service.

Table 512.—Chicks hatched by commercial hatcheries: Number, average price, and value, United States, 1975-89

Year	Chicks hatched			Average price of baby chicks per 100	Value of chick production ¹
	Broiler-type	Egg-type	All		
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1975.....	3,169,071	453,804	3,622,875	14.60	493,198
1976.....	3,488,326	492,180	3,980,506	15.40	568,957
1977.....	3,636,672	501,913	4,138,585	15.80	612,591
1978.....	3,879,339	491,578	4,370,917	16.30	667,723
1979.....	4,197,758	518,953	4,716,711	16.80	749,572
1980.....	4,280,338	484,622	4,764,960	17.10	777,664
1981.....	4,416,641	454,175	4,870,816	18.10	843,326
1982.....	4,445,583	444,420	4,890,003	18.20	854,991
1983.....	4,446,999	406,935	4,853,934	18.30	851,142
1984.....	4,593,930	458,530	5,052,460	19.20	930,487
1985.....	4,802,156	406,837	5,208,993	18.80	939,116
1986.....	5,013,303	423,721	5,437,024	18.70	975,780
1987.....	5,379,228	427,785	5,807,013	19.80	1,105,993
1988.....	5,602,400	368,349	5,970,749	18.10	1,046,706
1989.....	5,944,349	383,678	6,328,027	18.50	1,131,736

¹ Excludes egg-type cockerels destroyed.

National Agricultural Statistics Service.

Table 513.—Chicks hatched by commercial hatcheries: Number and average price, by regions, 1988 and 1989

Region ¹	Broiler-type chicks				Egg-type chicks			
	Hatched		Average price per 100		Hatched		Average price per 100	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Dollars</i>	<i>Dollars</i>
Northeast.....	676,233	691,090	17.50	19.30	59,456	59,200	43.70	45.50
Lake States.....	51,052	53,391	58.30	54.00	39,216	41,587	48.00	44.80
Corn Belt.....	99,509	110,737	36.20	37.00	n.a.	n.a.		
Appalachian.....	770,162	814,291	16.40	16.40	16,198	24,568	40.00	36.50
Southeast.....	1,883,341	1,991,567	11.90	12.60	59,174	62,814	63.10	63.40
Pacific.....	n.a.	n.a.			42,424	43,174	55.60	51.90
US ²	5,602,400	5,944,349	17.00	17.50	368,349	383,678	50.50	49.60

¹ Northeast—New England, Delaware, Maryland, New Jersey, New York, Pennsylvania; Lake States—Michigan, Minnesota, Wisconsin; Corn Belt—Illinois, Indiana, Iowa, Missouri, Ohio; Appalachian—Kentucky, North Carolina, Tennessee, Virginia, West Virginia; Southeast—Alabama, Florida, Georgia, South Carolina; Pacific—California, Oregon, Washington. ² Includes other regions not published separately. n.a. not available.

National Agricultural Statistics Services.

Table 514.—Poultry: Feed-price ratios, and poultry ration cost, United States, 1975-89

Year	Ratios ^{1 2}			Year	Ratios ^{1 2}		
	Egg-feed	Broiler-feed	Turkey-feed		Egg-feed	Broiler-feed	Turkey-feed
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1975.....	7.0	3.2	4.0	1983.....	6.0	2.6	3.0
1976.....	7.8	2.8	3.7	1984.....	6.9	2.9	3.9
1977.....	7.3	2.7	3.8	1985.....	6.2	3.0	4.5
1978.....	6.9	3.1	4.6	1986.....	7.0	3.7	4.1
1979.....	7.0	2.8	4.2	1987.....	6.5	3.2	3.2
1980.....	6.1	2.7	3.6	1988.....	5.3	3.1	3.0
1981.....	6.0	2.5	3.1	1989.....	5.8	3.6	2.9
1982.....	6.2	2.6	3.3				

¹ Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen eggs, or 1 pound of chicken or turkey live weight. Simple average of monthly ratios. ² Ratio computed on a December through November marketing year rather than a calendar year.

National Agricultural Statistics Service.

Table 515.—Poultry: Slaughtered under Federal inspection, United States, by classes, 1987-89

Class	Number inspected			Pounds inspected (live weight)		
	1987	1988	1989	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	4,971,470	5,158,710	5,499,319	21,339,550	22,207,755	23,881,618
Mature chickens.....	197,925	192,330	181,763	890,163	876,833	860,480
Total chickens.....	5,169,395	5,351,040	5,681,082	22,229,713	23,084,588	24,742,098
Young turkeys.....	224,530	232,505	247,241	4,609,521	4,876,206	5,191,490
Old turkeys.....	1,642	1,725	2,130	37,573	40,587	50,807
Fryer-roaster turkeys.....	4,903	3,223	2,379	46,639	30,952	24,317
Total turkeys.....	231,075	237,453	251,750	4,693,733	4,947,745	5,266,614
Ducks.....	23,216	24,008	21,718	150,552	158,331	142,330
Other poultry.....				5,826	7,688	6,357
Total poultry.....				27,079,824	28,198,352	30,157,399

Class	Pounds certified (ready-to-cook)			Pounds condemned		
	1987	1988	1989	Ante-mortem (live weight)		
				1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	15,502,464	16,124,400	17,334,190	71,958	77,468	85,590
Mature chickens.....	552,048	540,230	529,379	10,584	11,537	10,674
Total chickens.....	16,054,512	16,664,630	17,863,769	82,542	89,005	96,264
Young turkeys.....	3,651,843	3,868,498	4,117,421	15,964	16,990	18,240
Old turkeys.....	28,806	30,950	38,731	357	457	551
Fryer-roaster turkeys.....	36,435	24,004	18,722	81	100	64
Total turkeys.....	3,717,084	3,923,452	4,174,874	16,402	17,547	18,855
Ducks.....	106,495	112,434	101,091	304	370	186
Other poultry.....	3,455	4,628	3,698	10	20	26
Total poultry.....	19,881,546	20,705,144	22,143,432	99,258	106,942	115,331

Class	Pounds condemned—Continued		
	Post-mortem (New York dressed weight)		
	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Young chickens.....	349,317	369,646	396,082
Mature chickens.....	34,169	36,691	37,964
Total chickens.....	383,486	406,337	434,046
Young turkeys.....	86,281	92,337	102,167
Old turkeys.....	1,918	2,104	2,649
Fryer-roaster turkeys.....	566	419	408
Total turkeys.....	88,765	94,860	105,224
Ducks.....	1,873	1,981	1,731
Other poultry.....	78	118	88
Total poultry.....	474,202	503,296	541,089

National Agricultural Statistics Service.

Table 516.—Poultry: Inspected for further processing and cut up under Federal inspection, United States, 1975-88

Year	Young chickens		Mature chickens		Turkeys			Other poultry ¹		Total poultry	
	Further processed	Cut up	Further processed	Cut up	Further processed		Cut up	Further processed ³	Cut up	Further processed	Cut up
					Whole ²	Other					
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1975.....	540,640	2,582,072	356,247	9,926	371,623	536,224	312,764	87,500	483	1,892,234	2,905,245
1976.....	643,443	3,113,600	435,859	8,202	446,215	607,724	387,067	117,270	684	2,250,511	3,509,553
1977.....	715,839	3,521,522	417,921	10,495	459,294	665,452	426,125	129,547	2,115	2,388,053	3,960,257
1978.....	830,229	3,717,089	453,299	10,898	500,892	710,438	466,067	127,358	2,339	2,622,216	4,196,393
1979.....	989,120	3,988,043	472,933	4,260	537,739	799,653	525,905	138,212	1,174	2,937,657	4,519,382
1980.....	1,219,925	4,882,312	518,036	5,123	671,124	952,774	655,797	204,658	2,281	3,566,517	5,545,513
1981.....	1,352,259	5,237,755	503,546	15,183	705,498	984,606	701,267	275,850	2,239	3,821,759	5,956,444
1982.....	1,510,095	5,791,426	496,935	23,107	747,421	1,003,939	733,976	324,967	2,569	4,083,357	6,551,078
1983.....	1,846,364	6,439,971	550,316	26,495	708,678	1,144,446	809,195	360,564	15,168	4,610,368	7,290,829
1984.....	2,192,917	6,761,109	549,366	5,950	648,992	1,248,625	942,065	372,948	12,646	5,012,848	7,721,770
1985.....	2,377,537	7,247,536	529,378	29,223	683,423	1,289,960	837,278	359,534	11,241	5,239,832	8,125,278
1986.....	2,969,684	8,101,601	579,053	26,712	844,307	1,498,543	1,084,686	337,045	20,120	6,228,632	9,233,119
1987.....	3,420,568	8,697,617	660,505	9,815	1,068,465	1,658,599	1,360,857	384,759	25,042	7,192,896	10,093,331
1988 ⁴											

¹ Poultry parts and fat used in further processing that cannot be identified by class are included in "Other poultry." ² Whole carcass turkeys which have been injected, basted, marinated, smoked, or barbecued, and packaged as such. Beginning 1974, "Whole" and "Other" estimated separately. ³ Includes whole carcass turkeys.

⁴ Data collection discontinued during 1988 by FSIS.

National Agricultural Statistics Service.

Table 517.—Poultry and poultry products: Cold-storage holdings, first of month, United States, 1988-89

Month	Shell eggs		Frozen eggs		Turkeys		Total poultry	
	1988	1989	1988	1989	1988	1989	1988	1989
	<i>1,000 cases</i>	<i>1,000 cases</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	67	12	18,293	19,669	281,844	262,542	508,971	462,307
February.....	53	7	18,321	18,988	321,515	263,114	548,956	455,145
March.....	33	16	14,104	14,790	339,006	269,243	580,392	457,951
April.....	14	18	17,333	15,330	370,732	298,700	614,763	488,512
May.....	21	26	20,306	16,185	410,121	355,645	630,605	551,925
June.....	30	27	25,333	15,052	456,791	454,608	667,772	657,979
July.....	28	12	22,861	16,460	496,152	496,885	711,913	685,713
August.....	25	17	24,520	15,037	551,886	574,297	735,294	767,576
September.....	23	23	22,225	14,379	572,818	569,283	761,328	768,994
October.....	24	6	20,015	14,906	583,306	571,805	781,214	776,122
November.....	26	11	17,934	13,374	303,530	258,562	509,700	478,798
December.....	9	12	19,639	13,558	249,749	235,939	451,267	468,691

National Agricultural Statistics Service.

Table 518.—Chickens and turkeys: Number classified as "U.S. Pullorum-Typhoid Clean," and number and percentage of reactors, United States, 1975-88

Year beginning July	Chicken tests				Turkey tests			
	States reporting	Chickens in tested flocks (first test)	Reactors ¹		States reporting	Turkeys in tested flocks (first test)	Reactors	
	Number	Thousands	Number	Percent	Number	Number	Number	Percent
1975.....	47	26,699	38	0.0008	47	2,891,148	0	0.0000
1976.....	47	28,846	90	.0019	47	2,693,782	0	.0000
1977.....	47	30,313	12	.0002	47	2,496,872	0	.0000
1978.....	47	33,506	1	.0000	47	2,984,142	0	.0000
1979.....	47	36,112	41	.0011	47	3,256,844	0	.0000
1980.....	47	35,767	97	.0032	47	3,172,056	0	.0000
1981.....	47	36,024	14	.0004	47	3,135,338	0	.0000
1982.....	47	36,565	344	.0127	47	2,846,709	0	.0000
1983.....	47	36,128	0	.0000	47	2,592,421	0	.0000
1984.....	47	33,811	1	.0000	47	2,974,904	0	.0000
1985.....	47	36,484	9	.0000	47	2,972,518	0	.0000
1986.....	47	37,324	187	.0005	47	3,917,589	0	.0000
1987.....	47	43,788	36	.0001	47	4,505,067	0	.0000
1988.....	47	46,924	44	.0001	47	5,243,118	0	.0000

¹ Number of reacting birds and percent of birds tested. Testing year starting July 1, 1988.
Animal and Plant Health Inspection Service.

Table 519.—Turkey breeder hens: Number, value per head, and total value, Dec. 1, 1974-88 ¹

Year	Num- ber	Value per head	Total value	Year	Num- ber	Value per head	Total value	Year	Num- ber	Value per head	Total value
	<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>		<i>1,000 head</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1974.....	2,970	9.81	29,126	1979.....	3,705	13.57	50,288	1984 ²	3,159	16.54	52,244
1975.....	3,014	10.81	32,580	1980.....	3,749	14.11	52,887	1985.....	(²)	(²)	(²)
1976.....	3,069	11.13	34,168	1981.....	3,514	15.35	53,962	1986.....	(²)	(²)	(²)
1977.....	3,038	11.39	34,614	1982.....	3,429	14.60	50,053	1987.....	(²)	(²)	(²)
1978.....	3,370	12.53	42,222	1983.....	3,155	17.59	55,500	1988.....	(²)	(²)	(²)

¹ Major producing States. ² Estimates of Turkey Breeder Hens are terminated with 1984 data.
National Agricultural Statistics Service.

Table 520.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 1975-89

Year	Production	Commercial storage at beginning of year	Exports to territories	Commercial storage at end of year	Consumption	
					Total ^{1 3}	Per capita
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Pounds</i>
1975.....	1,803	275	47	195	1,836	8.5
1976.....	2,059	195	65	203	1,985	9.1
1977.....	2,023	203	54	168	2,005	9.1
1978.....	2,098	168	51	175	2,040	9.2
1979.....	2,344	175	50	240	2,229	9.9
1980.....	2,432	240	75	198	2,399	10.5
1981.....	2,577	198	63	238	2,473	10.8
1982.....	2,522	238	51	204	2,505	10.8
1983.....	2,649	204	47	162	2,644	11.3
1984.....	2,685	162	27	125	2,695	11.4
1985.....	2,942	125	27	150	2,890	12.1
1986.....	3,271	150	27	178	3,217	13.3
1987.....	3,333	178	33	266	3,712	15.2
1988.....	3,960	266	51	250	3,926	15.9
1989 ²	4,276	250	40	236	4,250	17.1

¹ Totals may not add due to rounding. ² Preliminary. ³ Shipments to territories now included in consumption.

Economic Research Service.

Table 521.—Turkeys: Production, and value, United States, 1975-89

Year	Number raised ¹	Pounds (live weight) produced	Price per pound live weight	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1975.....	124,165	2,276,504	34.8	793,271
1976.....	140,021	2,606,265	31.7	825,095
1977.....	136,390	2,562,825	35.5	910,396
1978.....	138,939	2,654,788	43.6	1,157,200
1979.....	156,457	2,957,612	41.1	1,214,357
1980.....	165,243	3,076,858	41.3	1,271,637
1981.....	170,875	3,264,463	38.2	1,247,803
1982.....	165,464	3,175,060	39.5	1,254,700
1983.....	170,723	3,335,519	38.0	1,269,051
1984.....	171,296	3,384,393	48.9	1,654,862
1985.....	185,427	3,703,994	49.1	1,819,526
1986.....	207,232	4,147,168	47.0	1,951,087
1987.....	240,438	4,894,858	34.8	1,703,137
1988.....	242,421	5,059,056	38.6	1,951,349
1989 ²	260,230	5,453,923	41.1	2,239,058

¹ Total poults hatched less death loss of poults and young turkeys during the year. ² Preliminary.
National Agricultural Statistics Service.

Table 522.—Turkeys: Production and value, by States, 1989

State	Number raised ¹	Pounds produced ²	Price per pound ³	Value of production
	<i>1,000 head</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
AR.....	19,800	411,840	41.0	168,854
CA.....	29,000	638,000	39.0	248,820
CT.....	30	600	97.0	582
GA.....	1,900	54,150	43.0	23,285
IL.....	3,280	85,608	40.0	34,243
IN.....	13,200	279,840	45.0	125,928
IA.....	7,600	186,200	39.0	72,618
KS.....	324	8,100	41.0	3,321
MD and DE ⁴	100	1,815	59.8	1,086
MA.....	150	3,150	97.0	3,056
MI.....	4,200	121,800	42.0	51,156
MN.....	43,100	784,420	37.0	290,235
MO.....	17,250	351,900	41.0	144,279
NE.....	1,670	29,392	41.0	12,051
NH.....	26	520	110.0	572
NJ.....	100	2,440	93.0	2,269
NY.....	400	8,600	40.0	3,440
NC.....	52,200	991,800	41.0	406,638
ND.....	1,180	24,780	37.0	9,169
OH.....	4,100	110,290	41.0	45,219
OR.....	2,400	43,200	45.0	19,440
PA.....	8,400	168,000	43.0	72,240
SC.....	5,360	152,760	41.0	62,632
SD.....	2,200	62,920	37.0	23,280
UT.....	3,590	84,724	52.0	44,056
VA.....	16,600	318,720	42.0	133,662
WV.....	2,870	55,104	42.0	23,144
Other States ⁴	19,200	473,250	45.1	213,584
US ⁵	260,230	5,453,923	41.1	2,239,058

¹ Based on turkeys placed Sept. 1, 1987 through Aug. 31, 1988. Excludes young turkeys lost. ² Includes home consumption. ³ Liveweight equivalent price. ⁴ CO, OK, TX, and WI combined to avoid disclosing individual operations. ⁵ May not add due to rounding.

National Agricultural Statistics Service.

Table 523.—Turkeys: Poult placed by commercial hatcheries, by breeds, United States, 1975-89

Year	Total all heavy breeds ¹	Light breeds ²	Total all breeds
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1975 ³	121,158	15,918	137,076
1976 ³	130,980	18,494	149,474
1977 ³	136,029	12,354	148,383
1978 ³	148,838	8,689	157,527
1979 ³	168,014	13,955	179,969
1980 ³	171,842	16,824	188,666
1981 ³	176,939	10,395	187,334
1982 ³	176,769	7,472	184,241
1983	176,253	5,869	182,122
1984	(⁴)	(⁴)	184,238
1985	(⁴)	(⁴)	198,683
1986	(⁴)	(⁴)	225,380
1987	(⁴)	(⁴)	264,228
1988	(⁴)	(⁴)	261,406
1989	(⁴)	(⁴)	289,009

¹ Birds for which the normal mature marketing live weight is 12 pounds or over. ² Birds for which the normal mature marketing live weight is less than 12 pounds. ³ Poults hatched prior to 1983. Poults placed beginning in 1983 which excludes exported poults. ⁴ Heavy breeds and light breeds not published.

National Agricultural Statistics Service.

Table 524.—Turkeys: Poults placed by commercial hatcheries, U.S. and regions, 1988 and 1989

Month	United States			1989				
	1988	1989	1989 as percent of 1988	East North Central	West North Central	North and South Atlantic	South Central	West
	<i>Thousands</i>	<i>Thousands</i>	<i>Percent</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
All breeds:								
Jan	22,315	23,183	104	2,646	6,011	7,604	2,852	4,070
Feb	23,100	23,842	103	2,711	7,024	6,960	3,041	4,106
Mar	25,101	26,959	107	2,967	8,211	8,003	3,069	4,709
Apr	24,718	25,973	105	2,784	7,922	7,511	2,972	4,784
May	25,559	28,369	111	2,943	9,245	8,187	3,307	4,687
June	26,075	29,039	111	3,343	9,075	8,589	3,295	4,737
July	23,677	26,329	111	2,841	7,759	8,346	2,802	4,581
Aug	19,458	23,002	118	2,653	6,323	7,814	2,291	3,921
Sept	15,725	19,900	127	2,729	5,235	7,019	1,862	3,055
Oct	16,821	20,169	120	2,397	5,429	7,459	1,851	3,033
Nov	18,413	20,733	113	2,868	5,564	7,138	2,237	2,926
Dec	20,444	21,511	105	2,488	5,617	7,620	2,530	3,256
Total	261,406	289,009	111	33,370	83,415	92,250	32,109	47,865

National Agricultural Statistics Service.

Table 525.—Eggs: Number of hens and pullets, rate of lay, and production, by States, 1988 and 1989 ¹

State	1988			1989		
	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs produced	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs produced
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>
AL.....	11,002	236	2,596	9,458	231	2,184
AK.....	4	175	7	4	175	7
AZ.....	324	265	86	306	258	79
AR.....	15,778	240	3,784	14,455	232	3,352
CA.....	31,467	245	7,718	30,073	243	7,317
CO.....	3,056	257	784	3,240	254	824
CT.....	4,377	256	1,122	3,712	252	935
DE.....	677	216	146	640	230	147
FL.....	11,121	248	2,758	10,662	244	2,602
GA.....	17,822	241	4,294	17,563	241	4,233
HI.....	1,016	221	224.4	989	229	226.5
ID.....	921	236	217	864	251	217
IL.....	3,114	250	780	3,176	250	794
IN.....	21,435	263	5,644	21,165	261	5,529
IA.....	8,073	255	2,058	8,505	252	2,140
KS.....	1,617	258	417	1,549	250	387
KY.....	1,845	248	457	1,689	241	407
LA.....	1,401	222	311	1,366	219	299
ME.....	4,880	266	1,300	4,303	264	1,138
MD.....	3,554	262	932	3,757	257	965
MA.....	973	269	262	893	267	238
MI.....	6,079	255	1,553	5,665	257	1,454
MN.....	9,005	250	2,250	8,740	256	2,236
MS.....	5,170	242	1,251	5,354	241	1,289
MO.....	6,145	248	1,526	6,180	240	1,485
MT.....	773	251	194	703	256	180
NE.....	3,672	246	902	4,091	253	1,037
NV.....	13	169	2.2	13	177	2.3
NH.....	202	252	51	193	275	53
NJ.....	1,794	271	486	1,687	259	437
NM.....	1,141	252	287	1,145	257	294
NY.....	3,878	261	1,013	3,973	268	1,063
NC.....	14,281	238	3,396	13,871	239	3,312
ND.....	246	240	59	207	227	47
OH.....	17,129	261	4,477	16,777	259	4,353
OK.....	3,674	235	863	3,726	238	885
OR.....	2,351	262	617	2,538	267	678
PA.....	19,813	268	5,317	19,535	268	5,232
RI.....	201	259	52	191	241	46
SC.....	5,500	260	1,432	5,114	262	1,342
SD.....	1,414	246	348	1,462	255	373
TN.....	2,120	251	532	1,325	240	318
TX.....	13,901	242	3,363	13,673	242	3,304
UT.....	1,933	253	490	1,849	249	460
VT.....	207	261	54	150	240	36
VA.....	3,659	249	911	3,563	251	894
WA.....	5,008	265	1,327	4,805	270	1,299
WV.....	568	222	126	517	234	121
WI.....	3,448	256	881	3,326	256	852
WY.....	19	189	3.6	13	177	2.3
US ³	277,781	251	69,655	268,744	250	67,100

¹ Annual estimates cover the period Dec. 1, previous year through Nov. 30. ² Total egg production divided by average number of layers on hand. ³ Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 526.—Eggs: Production in specified countries, 1987–89

Continent and country	1987	1988	1989 ¹	Continent and country	1987	1988	1989 ¹
	<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>		<i>Mil- lions</i>	<i>Mil- lions</i>	<i>Mil- lions</i>
North America:				East Europe:			
Canada	5,706	5,721	5,500	Bulgaria	2,846	2,850	2,850
Mexico	16,685	15,040	14,700	Czechoslovakia	5,544	5,596	5,628
United States	70,418	69,402	67,042	Germany, Dem. Rep.	5,680	5,680	5,950
Total	92,809	90,163	87,242	Hungary	4,237	4,695	4,250
South America:				Poland	7,966	8,220	8,200
Argentina	3,300	3,300	3,350	Romania	8,000	7,650	7,600
Brazil	15,400	14,850	12,174	Yugoslavia	4,922	4,972	4,700
Venezuela	2,585	2,700	2,600	Total	39,195	39,663	39,178
Total	21,285	20,850	18,124	Middle East:			
EC-12:				Iraq	1,482	1,600	1,500
Belgium and Luxembourg ..	2,908	2,830	2,724	Israel	1,674	1,902	1,840
Denmark	1,316	1,366	1,410	Saudi Arabia	2,071	2,765	2,800
France	14,540	15,300	15,150	Turkey	6,100	6,200	7,200
Germany, Fed. Rep. of	12,315	12,280	11,884	Total	11,327	12,467	13,340
Greece	2,480	2,485	2,507	Africa:			
Ireland	640	640	640	Algeria	2,100	1,800	1,500
Italy	10,743	11,234	11,223	Egypt	2,875	3,200	3,400
Netherlands	10,980	10,761	10,711	South Africa	3,369	3,723	4,012
Portugal	1,587	1,633	1,644	Total	8,344	8,723	8,912
Spain	10,500	10,856	10,140	Asia:			
United Kingdom	13,300	13,500	12,275	China	118,000	139,100	140,900
Total	81,259	82,885	80,308	Hong Kong	44	40	36
Other West Europe:				Japan	39,567	40,137	40,383
Austria	1,818	1,757	1,695	Korea, Rep. of	6,574	7,204	6,919
Finland	1,370	1,304	1,288	Taiwan	4,298	4,400	4,450
Switzerland	690	708	692	Total	168,483	190,881	192,688
Total	3,878	3,769	3,675	Soviet Union	81,917	85,150	84,600
				Oceania:			
				Australia ²	3,210	3,238	3,286
				Total selected countries..	511,707	537,789	531,353

¹ Preliminary. ² Year ending June 30.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Counselors, Attachés, and Foreign Service Officers, results of office research, and related information.

Table 527.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York metropolitan area, 1975–89

Year	Large	Year	Large	Year	Large
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1975	63.93	1980	66.86	1985	64.97
1976	70.33	1981	73.21	1986	71.38
1977	63.27	1982	70.10	1987	61.60
1978	61.68	1983	75.16	1988	62.10
1979	68.15	1984	80.87	1989	81.91

Agricultural Marketing Service.

Table 528.—Eggs: Production, disposition, cash receipts, and gross income, United States, 1975-89 ¹

Year	Hens and pullets, average number during year	Rate of lay per layer during year ²	Eggs			Price per dozen	Cash receipts (sales)	Value of eggs consumed on production units	Value of production ³
			Total produced	Consumed on production units	Sold				
	<i>Thousands</i>	<i>Number</i>	<i>Millions</i>	<i>Millions</i>	<i>Millions</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975 ⁴	278,101	232	64,626	536	64,090	52.4	2,796,785	22,490	2,819,275
1976	274,135	235	64,511	514	63,997	58.3	3,109,304	24,060	3,133,364
1977	274,875	235	64,602	495	64,117	55.6	2,973,176	21,781	2,994,957
1978	281,544	239	67,157	468	66,689	52.2	2,901,020	19,768	2,920,788
1979 ⁴	288,623	240	59,209	454	68,755	58.3	3,338,438	21,434	3,359,872
1980	287,705	242	69,686	451	69,235	56.3	3,247,120	20,443	3,267,563
1981	287,774	243	69,825	441	69,384	63.1	3,648,406	22,737	3,671,143
1982	286,369	243	69,718	427	69,291	59.5	3,437,901	20,972	3,458,873
1983	276,263	247	68,169	415	67,754	61.1	3,448,613	20,755	3,469,368
1984	277,960	245	68,222	390	67,840	72.3	4,087,773	23,147	4,110,438
1985	277,592	247	68,645			57.2			3,262,260
1986	279,046	248	69,106			61.5			3,543,295
1987	283,872	248	70,356			54.7			3,209,397
1988	277,781	251	69,665			52.8			3,066,739
1989 ⁵	268,744	250	67,100			68.9			3,853,999

¹ Annual production, disposition, cash receipts, and gross income estimates for eggs reported on Dec. 1 through Nov. 30 marketing year. ² Number of eggs produced during the year divided by the average of hens and pullets of laying age on hand during the year. ³ Value of sales plus value of eggs consumed in households of producers.

⁴ Included are layers and eggs destroyed because of possible PCB contamination. ⁵ Preliminary.

National Agricultural Statistics Service.

Table 529.—Eggs: Production and value, by States, 1989 (preliminary) ¹

State	Eggs produced	Price per dozen	Value of production	State	Eggs produced	Price per dozen	Value of production
	<i>Millions</i>	<i>Cents</i>	<i>1,000 dollars</i>		<i>Millions</i>	<i>Cents</i>	<i>1,000 dollars</i>
AL	2,184	83.9	152,698	NE	1,037	47.8	41,307
AK	7	155.0	90	NV	2.3	56.0	107
AZ	79	63.0	4,147	NH	53	107.0	4,726
AR	3,352	85.0	237,433	NJ	437	74.0	26,948
CA	7,317	65.9	401,825	NM	294	71.0	17,395
CO	824	76.0	52,187	NY	1,063	64.4	57,048
CT	935	107.0	83,371	NC	3,312	80.3	221,628
DE	147	111.0	13,598	ND	47	50.0	1,958
FL	2,602	56.2	121,860	OH	4,353	50.4	182,826
GA	4,233	81.0	285,728	OK	885	97.2	71,685
HI	226.5	79.2	14,949	OR	678	75.6	42,714
ID	217	84.1	15,208	PA	5,232	59.0	257,240
IL	794	65.4	43,273	RI	46	104.0	3,987
IN	5,529	61.0	281,058	SC	1,342	67.3	75,264
IA	2,140	53.3	95,052	SD	373	47.0	14,609
KS	387	54.3	17,512	TN	318	66.5	17,623
KY	407	64.1	21,741	TX	3,304	81.1	223,235
LA	299	109.0	27,159	UT	460	65.0	24,917
ME	1,138	102.0	96,730	VT	36	107.0	3,210
MD	965	72.1	57,980	VA	894	78.9	58,780
MA	238	109.0	21,618	WA	1,299	73.1	79,131
MI	1,454	56.4	68,338	WV	121	102.0	10,285
MN	2,236	52.0	96,893	WI	852	55.0	39,050
MS	1,289	83.4	89,585	WY	2.3	82.6	158
MO	1,485	54.0	66,825	US ²	67,100	68.9	3,853,999
MT	180	75.0	11,250				

¹ Estimates cover the 12-month period Dec. 1, previous year through Nov. 30. ² Sum of States may not add to U.S. total due to rounding.

National Agricultural Statistics Service.

Table 530.—Eggs: Supply, distribution, and per capita consumption, United States, 1975-89 ¹

Year	Total egg production	Storage at beginning of the year ¹	Imports ²	Exports ²	Eggs used for hatching	Consumption		
						Storage at end of the year ²	Total ⁴	Per capita
	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Million dozen	Number
1975	5,382	42	5	35	372	28	4,994	277
1976	5,377	28	3	37	419	21	4,931	271
1977	5,408	21	14	67	427	24	4,925	268
1978	5,608	24	12	97	466	20	5,061	273
1979	5,777	20	10	78	498	19	5,213	278
1980	5,806	19	5	143	499	19	5,169	272
1981	5,825	19	5	234	507	18	5,090	265
1982	5,802	18	3	158	506	20	5,138	265
1983	5,659	20	23	86	500	9	5,108	261
1984	5,709	9	32	58	530	11	5,151	261
1985	5,710	11	13	71	548	11	5,104	256
1986	5,766	11	14	102	567	10	5,112	254
1987	5,868	10	6	111	599	14	5,160	254
1988	5,784	14	5	142	606	15	5,040	246
1989 ³	5,587	15	25	92	643	11	4,882	236

¹ Calendar years. ² Shell eggs and the approximate shell-egg equivalent of egg product.³ Preliminary.⁴ Shipments to territories now included in total consumption.

Economic Research Service.

Table 531.—Eggs: Products under Federal inspection, United States, fiscal years 1988 and 1989

Item	Quantity		Item	Quantity	
	1988	1989		1988	1989
	1,000 dozen	1,000 dozen		1,000 dozen	1,000 dozen
Shell eggs broken.....	977,947	956,707	Liquid product produced for immediate consumption and processing: ¹		
			Whole plain.....	301,533	316,533
Edible liquid from shell eggs broken:			Whole blends.....	107,670	102,045
Whole.....	607,409	601,145	White.....	248,468	257,552
White.....	389,997	385,143	Yolk plain.....	52,978	47,241
Yolk.....	220,583	212,252	Yolk blends.....	86,144	86,727
Total.....	1,217,989	1,198,540	Total.....	796,793	810,098
Inedible liquid from shell eggs broken.....	89,766	89,666	Frozen product produced: ²		
			Whole plain.....	140,745	150,474
Liquid egg used in processing: ¹			Whole blends.....	104,620	102,567
Whole.....	781,252	791,458	White.....	48,397	40,323
White.....	555,862	535,415	Yolk plain.....	6,056	4,041
Yolk.....	270,128	258,392	Yolk blends.....	71,649	69,415
Total.....	1,607,242	1,585,265	Total.....	371,467	366,820
Ingredients added in processing ² ..	46,878	49,336	Dried product produced: ³		
			Whole plain.....	19,079	20,158
			Whole blends.....	33,193	32,461
			White.....	30,177	28,873
			Yolk plain.....	15,323	17,481
			Yolk blends.....	9,121	7,183
			Total.....	106,893	106,156

¹ Includes all frozen eggs used for processing, excludes ingredients added.² Includes all non-egg ingredients added.³ Includes ingredients added.

National Agricultural Statistics Service.

CHAPTER IX

FARM RESOURCES, INCOME, AND EXPENSES

The statistics in this chapter deal with farms, farm resources, farm income, and expenses. Many of the series are estimates developed in connection with economic research activities of the Department.

For convenience the tables have been arranged in general groups. These groups, with the beginning table indicated, are as follows:

Economic trends, table 532.

Farm property, table 533.

Population and employment, table 546.

Farm production and distribution, table 553.

Price and income, table 566.

Costs and expenses, table 578.

Table 532.—Economic trends: Data relating to agriculture, United States, 1975-89

Year	Prices paid by farmers		Prices received by farmers	Farm income			
	Total including interest, taxes, and wage rates	Production items		Gross farm income ¹	Production expenses	Net income	
	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1977=100</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1975.....	89	91	101	100.6	75.0	25.5	43.1
1976.....	95	97	102	102.9	82.7	20.2	32.0
1977.....	100	100	100	108.8	88.9	19.9	29.5
1978.....	108	108	115	128.4	103.2	25.2	34.9
1979.....	123	125	132	150.7	123.3	27.4	34.9
1980.....	138	138	134	149.3	133.1	16.2	18.8
1981.....	150	148	139	166.4	139.4	27.0	28.7
1982.....	159	153	133	163.5	140.0	23.5	23.5
1983.....	161	152	135	152.9	140.4	12.5	12.0
1984.....	164	155	142	175.0	142.7	32.3	29.9
1985.....	162	151	128	166.3	134.0	32.3	29.1
1986.....	159	144	123	160.3	123.4	37.9	35.4
1987.....	162	147	126	171.5	124.5	47.0	40.0
1988.....	169	157	138	177.8	132.0	45.8	37.7
1989 ^a	177	165	147	.....	.....	.....	.....

Year	National income ²	Disposable personal income ²	Industrial production ³	Consumer prices all items ⁴	Producer prices consumer foods ⁴
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Index numbers 1977=100</i>	<i>Index numbers 1982-84=100</i>	<i>Index numbers 1982=100</i>
1975.....	1,289.1	1,142.8	84.8	(⁵)	(⁵)
1976.....	1,441.4	1,252.6	92.6	(⁵)	(⁵)
1977.....	1,617.8	1,329.3	100.0	(⁵)	(⁵)
1978.....	1,838.2	1,551.2	106.5	(⁵)	(⁵)
1979.....	2,047.3	1,729.3	110.7	(⁵)	(⁵)
1980.....	2,203.5	1,917.9	108.6	82.4	92.4
1981.....	2,443.5	2,127.6	111.0	90.9	97.8
1982.....	2,618.4	2,261.4	103.1	96.5	100.0
1983.....	2,719.5	2,428.1	109.2	99.6	101.0
1984.....	3,028.6	2,668.6	121.4	103.9	105.4
1985.....	3,234.0	2,838.7	123.7	107.6	104.6
1986.....	3,437.1	3,019.6	125.1	109.6	107.3
1987 ^a	3,678.7	3,209.7	128.8	113.6	109.5

¹ Includes cash receipts from marketings, government payments, nonmoney income (gross rental value and home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories. ² U.S. Department of Commerce. ³ Federal Reserve Board. ⁴ U.S. Department of Labor.

⁵ Data prior to 1980 available from U.S. Department of Labor. ^a Preliminary.

Economic Research and National Agricultural Statistics Service.

Table 533.—Farms: Number, land in farms, and average size of farm, U.S., 1977-90

Year	Farms ¹	Land in farms	Average size of farm
	<i>Number</i>	<i>1,000 acres</i>	<i>Acres</i>
1977.....	2,455,830	1,047,785	427
1978.....	2,436,250	1,044,790	429
1979.....	2,437,300	1,042,015	428
1980.....	2,439,510	1,038,885	426
1981.....	2,439,920	1,034,190	424
1982.....	2,406,550	1,027,795	427
1983.....	2,378,620	1,023,425	430
1984.....	2,383,810	1,017,803	436
1985.....	2,292,530	1,012,073	441
1986.....	2,249,820	1,005,333	447
1987.....	2,212,960	998,923	451
1988.....	2,197,140	994,543	453
1989.....	2,170,520	991,153	457
1990 ²	2,143,150	987,721	461

¹ A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year. ² Preliminary.

National Agricultural Statistics Service.

Table 534.—Percent of farms, land in farms, and average size, by economic class, United States, June 1, 1989-90

Economic class gross value of sales	Percent of total				Average size of farms	
	Farms		Land		1989	1990 ¹
	1989	1990 ¹	1989	1990 ¹		
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Acres</i>	<i>Acres</i>
\$1,000-\$2,499.....	22.7	22.2	3.1	3.0	62	62
\$2,500-\$4,999.....	13.8	13.7	3.1	3.1	103	104
\$5,000-\$9,999.....	11.8	11.7	4.5	4.1	174	162
\$10,000-\$19,999.....	10.7	11.1	6.0	6.3	256	262
\$20,000-\$39,999.....	12.2	12.1	11.7	10.8	438	411
\$40,000-\$99,999.....	14.5	14.4	23.1	23.2	727	743
\$100,000-\$249,999.....	9.6	10.0	24.5	26.0	1,165	1,198
\$250,000.....	4.7	4.8	24.0	23.5	2,332	2,256
Total.....	100.0	100.0	100.0	100.0	457	461

¹ Preliminary.

National Agricultural Statistics Service.

Table 535.—Farms: Number and land in farms, by States, 1989 and 1990

State	Farms ¹		Land in farms	
	1989	1990 ²	1989	1990 ²
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
AL.....	47,000	47,000	10,600	10,800
AK.....	600	580	1,010	1,000
AZ.....	8,100	7,800	36,000	36,000
AR.....	48,000	47,000	15,700	15,500
CA.....	84,000	85,000	31,300	30,800
CO.....	27,000	26,500	33,500	33,100
CT.....	4,000	3,900	440	420
DE.....	3,000	2,900	590	570
FL.....	41,000	41,000	11,200	10,900
GA.....	48,000	49,000	12,600	12,500
HI.....	4,650	4,600	1,720	1,710
ID.....	22,100	21,800	13,700	13,700
IL.....	86,000	83,000	28,500	28,500
IN.....	71,000	68,000	16,400	16,300
IA.....	105,000	104,000	33,500	33,500
KS.....	69,000	69,000	47,900	47,900
KY.....	95,000	93,000	14,200	14,100
LA.....	34,000	34,000	9,100	9,000
ME.....	7,300	7,300	1,450	1,450
MD.....	15,600	15,200	2,300	2,250
MA.....	6,900	6,900	680	680
MI.....	55,000	54,000	10,800	10,800
MN.....	90,000	89,000	30,000	30,000
MS.....	41,000	40,000	13,300	13,000
MO.....	109,000	108,000	30,400	30,400
MT.....	24,700	24,700	60,600	60,500
NE.....	57,000	57,000	47,100	47,100
NV.....	2,500	2,500	8,900	8,900
NH.....	3,100	3,000	500	490
NJ.....	8,300	8,100	880	870
NM.....	14,000	13,500	44,500	44,500
NY.....	39,000	38,500	8,400	8,400
NC.....	65,000	62,000	10,000	9,700
ND.....	33,500	34,000	40,500	40,500
OH.....	86,000	84,000	15,700	15,700
OK.....	70,000	70,000	33,000	33,000
OR.....	37,000	36,500	17,800	17,800
PA.....	54,000	53,000	8,200	8,100
RI.....	770	770	73	71
SC.....	25,500	24,500	5,300	5,200
SD.....	35,000	35,000	44,300	44,300
TN.....	91,000	89,000	12,600	12,400
TX.....	186,000	186,000	132,000	132,000
UT.....	13,000	13,200	11,300	11,300
VT.....	7,000	7,000	1,510	1,510
VA.....	47,000	46,000	9,000	8,900
WA.....	38,000	37,000	16,000	16,000
WV.....	21,000	20,500	3,700	3,700
WI.....	81,000	80,000	17,600	17,600
WY.....	8,900	8,900	34,800	34,800
US.....	2,170,520	2,143,150	991,153	987,721

¹ A farm is an establishment that as of June 1 sold or would normally have sold \$1,000 or more of agricultural products during the year. ² Preliminary.

National Agricultural Statistics Service.

Table 536.—Farms: Classification by tenure of operator, United States, 1900–1987

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1900	5,739,657	55.8	7.9	1.0	35.3
1910	6,365,822	52.7	9.3	.9	37.0
1920	6,453,991	52.2	8.7	1.1	38.1
1925	6,371,640	52.0	8.7	.6	38.6
1930 ¹	6,295,103	46.3	10.4	.9	42.4
1935	6,812,350	47.1	10.1	.7	42.1
1940 ¹	6,102,417	50.6	10.1	.6	38.8
1945	5,859,169	56.4	11.3	.7	31.7
1950 ¹	5,388,437	57.4	15.3	.4	26.9
1954	4,783,021	57.4	18.2	.4	24.0
1959 ¹	3,710,503	57.1	21.9	.6	20.5
1964 ¹	3,157,857	57.6	24.8	.6	17.1
1969 ¹	2,730,250	62.5	24.6	.....	12.9
1974 ¹	2,314,013	61.5	27.2	.....	11.3
1978 ¹	2,257,775	57.5	30.2	.....	12.3
1982 ¹	2,240,976	59.2	29.3	.....	11.6
1987 ¹	2,087,759	59.3	29.2	.....	11.5

¹ Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 537.—Land in farms: Classification by tenure of operator, United States, 1900–1987

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	<i>Acres</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
1900	841,201,546	51.4	14.9	10.4	23.3
1910	878,798,325	52.9	15.2	6.1	25.8
1920	958,676,612	48.3	18.4	5.7	27.7
1925	924,319,352	45.4	21.3	4.7	28.7
1930 ¹	990,111,984	37.6	24.9	6.4	31.0
1935	1,054,515,111	37.1	25.2	5.8	31.9
1940 ¹	1,065,113,774	35.9	28.2	6.5	29.4
1945	1,141,615,364	36.1	32.5	9.3	22.0
1950 ¹	1,161,419,720	36.1	36.4	9.2	18.3
1954	1,158,191,511	34.2	40.7	8.6	16.5
1959 ¹	1,123,507,574	31.0	44.0	9.8	14.3
1964 ¹	1,110,187,000	28.7	48.0	10.2	13.1
1969 ¹	1,062,892,501	35.3	51.8	.....	13.0
1974 ¹	1,017,030,357	35.3	52.6	.....	12.0
1978 ¹	1,014,777,234	32.7	55.3	.....	12.0
1982 ¹	986,796,579	34.7	53.8	.....	11.5
1987 ¹	964,470,625	32.9	53.9	.....	13.2

¹ Includes Alaska and Hawaii.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 538.—Land utilization, by States, 1987

State	Cropland			Grassland pasture ²	Forest land ³	Special use areas ⁴	Other land	Total land area
	Used for crops ¹	Idle	Used only for pasture					
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL.....	2,370	977	1,456	1,935	21,659	1,376	2,718	32,491
AK.....	31	40	6	1,209	88,643	142,520	132,884	365,333
AZ.....	1,056	351	140	41,504	17,257	9,849	2,488	72,645
AR.....	6,698	1,552	1,938	2,950	16,896	1,368	1,928	33,330
CA.....	8,689	1,460	1,338	21,833	36,441	14,769	15,501	100,031
CO.....	8,684	2,058	1,170	27,898	18,837	4,795	2,859	66,301
CT.....	152	15	40	47	1,776	311	777	3,118
DE.....	493	46	10	12	388	113	175	1,237
DC.....	0	0	0	0	0	0	40	40
FL.....	2,300	560	1,004	5,792	16,260	4,505	4,237	34,658
GA.....	3,747	1,539	1,145	1,895	23,402	1,625	3,803	37,156
HI.....	162	141	41	1,082	1,318	806	562	4,112
ID.....	5,102	1,045	816	19,943	17,767	5,278	2,793	52,744
IL.....	20,167	4,009	1,021	1,668	4,030	1,881	2,837	35,613
IN.....	10,711	2,183	747	1,326	4,296	966	2,767	22,996
IA.....	20,656	5,041	2,284	1,882	1,460	1,564	2,931	35,818
KS.....	26,780	4,078	3,485	13,255	1,207	1,703	1,830	52,338
KY.....	4,751	1,472	3,402	1,653	11,909	1,006	1,195	25,388
LA.....	3,934	1,145	829	2,070	13,873	1,318	5,325	28,494
ME.....	390	100	87	72	17,437	429	1,322	19,837
MD.....	1,427	198	189	215	2,462	654	1,151	6,296
MA.....	196	22	53	45	3,010	557	1,125	5,008
MI.....	6,403	1,459	519	1,731	17,597	2,488	6,254	36,451
MN.....	17,510	4,790	1,122	1,661	13,572	7,565	4,691	50,911
MS.....	4,941	1,607	1,244	2,287	16,674	880	2,596	30,229
MO.....	12,323	2,725	5,396	6,465	12,192	1,743	3,281	44,125
MT.....	15,321	1,651	1,292	47,139	18,709	6,145	2,791	93,048
NE.....	18,000	3,660	2,565	20,435	699	1,514	2,179	49,052
NV.....	583	60	209	45,735	7,383	7,517	8,845	70,332
NH.....	107	9	31	50	4,803	263	493	5,756
NJ.....	499	80	73	35	1,914	712	1,466	4,779
NM.....	1,217	665	557	51,818	17,127	3,647	2,623	77,654
NY.....	3,802	630	822	1,005	16,226	3,898	3,938	30,321
NC.....	4,070	1,148	783	1,210	18,401	2,118	3,530	31,260
ND.....	25,464	2,441	1,522	11,187	460	1,601	1,677	44,352
OH.....	9,689	1,742	942	1,502	7,141	1,184	4,043	26,243
OK.....	9,565	1,876	4,433	17,754	6,970	1,330	2,011	43,939
OR.....	3,695	831	858	22,913	26,278	3,568	3,415	61,558
PA.....	4,240	509	803	1,093	16,189	2,409	3,485	28,728
RI.....	21	3	5	3	391	59	193	675
SC.....	1,942	786	464	422	12,179	1,124	2,413	19,330
SD.....	17,022	2,207	2,389	22,261	1,552	1,521	1,657	48,609
TN.....	4,278	1,043	2,472	1,446	12,863	2,154	2,083	26,339
TX.....	19,548	6,734	10,181	104,656	13,536	4,681	8,355	167,691
UT.....	1,278	298	528	23,080	14,793	5,451	7,099	52,527
VT.....	438	29	158	200	4,424	422	284	5,935
VA.....	2,671	493	1,449	1,773	15,497	1,449	2,073	25,410
WA.....	6,675	1,111	579	7,235	17,357	6,637	2,473	42,567
WV.....	678	99	642	476	11,799	683	1,059	15,436
WI.....	8,251	1,177	1,162	2,079	15,058	2,150	4,956	34,833
WY.....	2,150	248	550	45,146	5,552	6,293	2,134	62,073
US.....	330,877	68,143	64,981	591,083	648,164	278,599	283,300	2,265,147

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² Grassland and other nonforest pasture and range. ³ Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴ Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes.

Economic Research Service. Estimates based on reports and records of the U.S. Departments of Agriculture and Commerce, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture.

Table 539.—Land in farms: ¹ Irrigated land, by States, 1954-87

State	1954	1959	1964	1969	1974	1978 ²	1982	1987
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
AL.....	17	17	12	11	14	59	66	84
AK.....			(³)	1	1	1	1	2
AZ.....	1,177	1,152	1,125	1,178	1,153	1,196	1,098	914
AR.....	858	712	974	1,010	949	1,683	2,022	2,406
CA.....	7,048	7,896	7,599	7,249	7,749	8,506	8,461	7,596
CO.....	2,263	2,685	2,690	2,895	2,874	3,431	3,201	3,014
CT.....	12	5	14	9	7	7	7	7
DE.....	6	16	18	20	20	34	44	61
FL.....	428	414	1,217	1,365	1,559	1,980	1,585	1,623
GA.....	24	34	64	79	112	463	575	640
HI.....	(³)	141	144	146	142	159	146	149
ID.....	2,325	2,577	2,802	2,761	2,859	3,475	3,450	3,219
IL.....	7	10	14	51	54	130	166	208
IN.....	12	17	17	34	33	175	132	170
IA.....	2	18	22	21	39	101	91	92
KS.....	332	762	1,004	1,522	2,010	2,686	2,675	2,463
KY.....	13	9	14	20	11	14	23	38
LA.....	708	485	581	702	702	681	694	647
ME.....	1	2	4	6	6	7	6	6
MD.....	8	11	16	22	23	28	39	51
MA.....	23	20	24	19	19	17	17	20
MI.....	23	40	49	77	97	226	286	315
MN.....	9	15	18	36	78	272	315	354
MS.....	132	100	123	150	162	309	431	637
MO.....	33	30	59	156	150	320	403	535
MT.....	1,891	1,875	1,893	1,841	1,759	2,070	2,023	1,997
NE.....	1,171	2,078	2,169	2,857	3,967	5,683	6,039	5,682
NV.....	567	543	825	753	778	881	830	779
NH.....	1	1	3	2	2	2	1	3
NJ.....	59	74	96	72	89	77	83	91
NM.....	650	732	813	823	867	891	807	718
NY.....	59	58	79	55	55	52	52	51
NC.....	25	66	97	59	51	90	81	138
ND.....	38	48	51	63	71	141	163	168
OH.....	15	12	17	22	22	25	28	32
OK.....	108	198	302	524	515	602	492	478
OR.....	1,490	1,384	1,608	1,519	1,561	1,881	1,808	1,648
PA.....	18	17	23	19	18	15	18	30
RI.....	1	(³)	1	2	2	3	2	4
SC.....	22	25	19	15	10	32	81	81
SD.....	90	116	130	148	152	335	376	362
TN.....	23	11	11	12	10	13	18	38
TX.....	4,707	5,656	6,385	6,888	6,594	6,947	5,576	4,271
UT.....	1,073	1,062	1,092	1,025	970	1,169	1,082	1,161
VT.....	1	2	2	(³)	1	1	1	2
VA.....	22	31	51	37	28	42	43	79
WA.....	778	1,007	1,150	1,224	1,309	1,639	1,638	1,519
WV.....	1	1	2	3	2	1	1	3
WI.....	18	32	62	106	128	235	259	285
WY.....	1,263	1,470	1,571	1,523	1,460	1,662	1,565	1,518
US.....	29,552	33,164	37,057	39,122	41,243	50,350	49,002	46,386
PR.....	(⁴)	76	89	91	70	(⁴)	(⁴)	(⁴)
VI.....	(³)	(³)	(³)	(³)	(³)	(⁴)	(⁴)	(⁴)
Total.....	29,552	33,240	37,145	39,213	41,313	50,350	49,002	46,386

¹ Data may not add because of rounding. ² Data for 1978 not directly comparable with earlier censuses as it includes estimates from the direct enumeration sample for farms not represented on the mail list. ³ Less than 500 acres. ⁴ Not available.

Economic Research Service. Data from the Census of Agriculture, U.S. Department of Commerce.

Table 540.—Farm real estate: Value of farmland and buildings, by States, 1986-90 ¹

State	Total value of land and buildings				
	Apr. 1, 1986	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	Jan. 1, 1990
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
AL.....	8,837	8,407	8,480	8,819	9,348
AZ.....	10,076	11,071	10,184	9,944	9,645
AR.....	12,301	11,434	12,024	12,306	12,183
CA.....	55,711	49,559	49,770	52,255	54,868
CO.....	12,310	12,512	12,435	12,362	12,362
CT.....	1,518	1,565	1,835	1,964	1,964
DE.....	1,078	1,040	1,041	1,218	1,377
FL.....	18,293	18,775	20,585	21,251	23,801
GA.....	11,345	11,554	11,960	12,635	13,267
ID.....	8,958	7,612	7,836	8,228	9,380
IL.....	35,354	32,865	36,093	39,564	40,355
IN.....	19,144	17,194	18,991	20,510	21,126
IA.....	29,330	26,334	31,725	37,118	37,860
KS.....	19,866	17,861	19,783	20,970	22,647
KY.....	13,646	12,649	12,813	13,105	14,677
LA.....	11,556	8,564	8,554	8,917	8,739
ME.....	1,273	1,284	1,395	1,493	1,493
MD.....	5,057	4,921	5,313	5,720	5,778
MA.....	1,905	2,078	2,416	2,585	2,585
MI.....	11,230	10,164	10,584	10,801	11,449
MN.....	20,821	17,605	21,000	22,470	24,942
MS.....	10,898	9,451	9,410	9,548	10,026
MO.....	19,901	18,479	19,520	20,623	21,448
MT.....	14,203	12,138	12,444	12,671	14,699
NE.....	19,629	18,886	21,525	24,753	26,486
NV.....	1,952	2,138	2,020	2,081	1,790
NH.....	875	923	1,077	1,153	1,153
NJ.....	2,758	3,356	3,493	4,086	4,168
NM.....	7,199	6,974	8,010	8,571	8,914
NY.....	7,503	8,350	8,540	8,842	8,753
NC.....	13,542	13,220	13,009	13,388	13,254
ND.....	13,638	12,319	12,951	13,307	14,106
OH.....	17,944	17,115	18,704	20,081	19,880
OK.....	17,173	15,686	15,840	17,266	16,920
OR.....	10,211	9,676	9,648	9,648	10,709
PA.....	11,322	12,939	13,106	15,667	15,667
RI.....	240	247	347	371	371
SC.....	4,699	4,197	4,616	5,032	5,032
SD.....	11,900	10,548	11,917	12,989	14,938
TN.....	12,160	11,790	12,613	12,865	13,251
TX.....	79,548	72,664	71,808	68,218	66,853
UT.....	5,426	5,101	4,803	4,803	4,562
VT.....	1,695	1,704	1,708	1,828	1,828
VA.....	10,963	10,497	10,902	12,184	14,377
WA.....	13,433	12,095	11,824	12,297	13,035
WV.....	2,281	2,343	2,523	2,650	2,411
WI.....	14,889	13,761	14,620	15,264	15,264
WY.....	5,518	5,464	5,116	4,962	5,309
48 States.....	641,104	597,110	626,909	659,381	685,048

¹ Total value of land and buildings are derived by multiplying average value per acre of farm real estate by the land in farms. Revised values for 1986-89.

Economic Research Service.

Table 541.—Land utilization, United States, selected years, 1930-87

Major land uses	1930	1940	1950	1959	1969	1978	1982	1987
	Million acres	Million acres	Million acres	Million acres	Million acres	Million acres	Million acres	Million acres
Cropland used for crops ¹	382	368	377	359	333	369	383	331
Idle cropland.....	31	31	32	33	51	26	21	68
Cropland used only for pas- ture.....	67	68	69	66	88	76	65	65
Grassland pasture ²	652	650	631	633	604	587	597	591
Forest land ³	601	608	601	728	723	703	655	648
Special uses ⁴				147	174			
Other land.....	171	179	194	305	291	503	544	562
Total land area ⁵	1,904	1,904	1,904	2,271	2,264	2,264	2,265	2,265

¹ Cropland harvested, crop failure, and cultivated summer fallow. ² Grassland and other nonforest pasture and range. ³ Excludes reserved and other forest land duplicated in parks and other special uses of land. Includes forested grazing land. ⁴ Includes urban and transportation areas. Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads and farm roads and lanes. ⁵ Remeasurement and increases in reservoirs account for changes in total land areas except for the major increase in 1959 when data for Alaska and Hawaii were added. ⁶ These estimates are not yet available.

Economic Research Service. Estimates based on reports and records of the U.S. Department of Agriculture and Commerce, and public land administering and conservation agencies.

Table 542.—Farm real estate: Average value per acre of land and buildings, by State, Mar. 1, 1970, Feb. 1, 1987-89,¹ and Jan. 1, 1990

State	Mar. 1, 1970	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	Jan. 1, 1990	State	Mar. 1, 1970	Feb. 1, 1987	Feb. 1, 1988	Feb. 1, 1989	Jan. 1, 1990
	Dol.	Dol.	Dol.	Dol.	Dol.		Dol.	Dol.	Dol.	Dol.	Dol.
AL.....	200	786	800	832	882	NV.....	53	240	227	234	201
AZ.....	70	299	279	276	268	NH.....	239	1,847	2,112	2,260	2,280
AR.....	260	724	761	784	776	NJ.....	1,092	3,729	3,969	4,844	4,737
CA.....	479	1,554	1,575	1,670	1,753	NM.....	42	156	180	193	200
CO.....	95	368	369	369	369	NY.....	273	960	993	1,053	1,042
CT.....	921	3,557	4,171	4,463	4,463	NC.....	333	1,259	1,263	1,339	1,325
DE.....	499	1,677	1,765	2,065	2,334	ND.....	94	303	319	329	348
FL.....	355	1,605	1,790	1,897	2,125	OH.....	399	1,097	1,199	1,271	1,258
GA.....	234	889	920	1,003	1,053	OK.....	173	475	480	523	513
ID.....	177	552	572	601	685	OR.....	150	541	542	542	602
IL.....	490	1,149	1,262	1,388	1,416	PA.....	373	1,540	1,579	1,911	1,911
IN.....	406	1,061	1,158	1,251	1,288	RI.....	734	3,389	4,748	5,080	5,080
IA.....	392	786	947	1,108	1,130	SC.....	261	792	871	949	949
KS.....	159	373	413	438	473	SD.....	84	238	269	293	337
KY.....	253	878	896	923	1,034	TN.....	268	936	1,001	1,021	1,052
LA.....	321	921	940	959	940	TX.....	148	546	544	517	506
ME.....	161	885	962	1,029	1,029	UT.....	92	451	425	425	404
MD.....	640	2,009	2,261	2,487	2,512	VT.....	224	1,114	1,124	1,203	1,203
MA.....	565	3,012	3,553	3,802	3,802	VA.....	286	1,154	1,198	1,354	1,597
MI.....	326	924	971	1,000	1,060	WA.....	224	756	739	769	815
MN.....	226	587	700	749	831	WV.....	136	693	682	716	652
MS.....	234	685	697	718	754	WI.....	232	777	826	867	867
MO.....	224	604	640	678	706	WY.....	41	157	147	143	153
MT.....	60	200	205	209	243						
NE.....	154	400	457	526	562	48 States...	196	599	632	667	693

¹ 1987-89 revised.

Economic Research Service.

Table 543.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 1974-89

Item	1974	1975 ¹	1976	1977	1978	1979	1980	1981
ASSETS	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Physical assets:								
Real estate	335.6	383.6	456.5	509.3	601.8	706.1	782.4	784.7
Non-real estate:								
Livestock ²	24.6	29.4	29.0	31.9	50.1	61.4	60.6	53.5
Machinery and motor vehicles	48.3	57.2	63.1	69.6	69.2	76.3	81.5	87.0
Crops stored on and off farms ³	23.1	21.2	21.5	21.8	25.0	28.4	31.9	29.0
Purchased inputs	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Financial assets:								
Investments in cooperatives	10.3	12.0	13.3	13.5	16.1	18.1	19.3	20.6
Other ⁴	6.9	6.9	6.9	7.0	7.1	7.3	7.4	7.6
Total ⁵	448.7	510.2	590.5	653.1	769.4	897.6	983.0	982.4
CLAIMS								
Liabilities:								
Real estate debt	40.8	45.3	50.5	58.4	66.7	79.7	89.6	98.7
Non-real estate debt to—								
Reporting institutions ⁶	27.7	31.3	35.8	40.4	46.7	55.5	59.8	65.2
Nonreporting creditors ⁷	7.4	8.4	9.8	12.0	14.0	16.3	17.4	18.4
Total liabilities ⁸	75.9	85.0	96.1	110.9	127.4	151.6	166.8	182.3
Proprietors' equity	372.9	425.2	494.4	542.2	642.0	746.0	816.2	800.1
Total ⁵	448.7	510.2	590.5	653.1	769.4	897.6	983.0	982.4
ASSETS	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Physical assets:								
Real estate	748.8	758.2	610.3	540.8	507.3	525.4	555.4	577.6
Non-real estate:								
Livestock ²	53.0	49.5	49.5	46.3	47.8	58.0	65.5	69.7
Machinery and motor vehicles	87.5	87.4	86.0	83.8	81.9	79.4	80.6	83.8
Crops stored on and off farms ³	26.1	24.0	26.2	22.9	16.7	18.0	23.0	23.5
Purchased inputs	n.a.	n.a.	2.6	1.3	2.0	3.3	3.4	2.8
Financial assets:								
Investments in cooperatives	21.9	22.8	24.3	24.3	24.4	25.3	25.1	26.1
Other ⁴	7.8	8.1	8.3	9.0	10.0	9.9	10.4	10.4
Total ⁵	945.2	950.1	807.2	728.3	690.1	719.1	763.5	793.9
CLAIMS								
Liabilities:								
Real estate debt	102.5	104.8	102.8	96.4	87.7	79.9	75.8	73.8
Non-real estate debt to—								
Reporting institutions ⁶	67.9	69.3	69.5	62.3	54.4	51.1	49.9	49.6
Nonreporting creditors ⁷	19.1	18.6	17.6	15.1	12.1	10.9	11.8	12.2
Total liabilities ⁸	189.5	192.7	189.9	173.9	154.2	142.0	137.6	135.6
Proprietors' equity	755.7	757.4	617.4	554.3	535.9	577.2	625.9	658.3
Total ⁵	945.2	950.1	807.2	728.3	690.1	719.1	763.5	793.9

¹ Beginning with 1975, data are for farms included in new farm definition, that is assets and debts on places with sales less than \$1,000 annually are excluded. ² Horses and mules are excluded. ³ Excludes all crops held on farms including crops under loan to Commodity Credit Corporation, and crops held off farms as security for CCC loans. ⁴ Includes farm share of currency and demand deposits. ⁵ Total of rounded data. ⁶ Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies. ⁷ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. ⁸ Preliminary. n.a. not available.

Economic Research Service.

Table 544.—Farm assets and claims: Comparative balance sheet of the farming sector, including farm households, United States, Dec. 31, 1974–89

Item	1974	1975 ¹	1976	1977	1978	1979	1980	1981
ASSETS								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate	369.5	421.0	499.8	556.5	656.0	767.8	850.1	851.7
Non-real estate:								
Livestock ²	24.6	29.4	29.0	31.9	50.1	61.4	60.6	53.5
Machinery and motor vehicles	53.6	63.1	70.1	76.4	76.4	82.9	86.9	92.5
Crops stored on and off farms ³	23.1	21.2	21.5	21.8	25.0	28.4	31.9	29.0
Purchased inputs	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Household furnishings and equipment	14.0	14.2	15.2	17.2	20.0	21.5	19.4	20.8
Financial assets:								
Investments in cooperatives	10.3	12.0	13.3	13.5	16.1	18.1	19.3	20.6
Other ⁴	17.8	18.4	18.7	19.0	19.7	19.9	20.0	20.3
Total ⁵	512.9	579.2	667.6	736.3	863.3	1,000.1	1,088.2	1,088.4
CLAIMS								
Liabilities:								
Real estate debt ⁶	44.9	49.9	55.4	63.9	72.8	86.8	97.5	107.2
Non-real estate debt to—								
Reporting institutions ⁷	29.4	33.0	37.8	42.8	49.5	59.1	63.5	69.4
Nonreporting creditors ⁸	7.5	8.6	10.0	12.2	14.3	16.6	17.7	18.8
Total liabilities ⁵	81.7	91.5	103.2	118.9	136.6	162.5	178.7	195.4
Proprietors' equity	431.3	487.7	564.5	617.4	726.7	837.6	909.5	893.0
Total ⁵	512.9	579.2	667.6	736.3	863.3	1,000.1	1,088.2	1,088.4
ASSETS								
Physical assets:	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Real estate	812.2	821.8	727.7	650.0	606.0	633.5	665.8	688.1
Non-real estate:								
Livestock ²	53.0	49.5	49.5	46.3	47.8	58.0	65.5	69.7
Machinery and motor vehicles	92.6	92.1	91.1	88.3	86.1	84.5	85.7	88.2
Crops stored on and off farms ³	26.1	24.0	26.2	22.9	16.7	18.0	23.0	23.5
Purchased inputs	n.a.	n.a.	2.6	1.3	2.0	3.3	3.4	2.8
Household furnishings and equipment	23.0	24.4	24.3	27.8	28.7	32.9	37.0	41.3
Financial assets:								
Investments in cooperatives	21.9	22.8	24.3	24.3	24.4	25.3	25.1	26.1
Other ⁴	20.9	21.8	23.4	25.0	29.4	31.4	32.9	32.5
Total ⁵	1,049.0	1,056.4	969.2	885.8	841.0	886.8	938.5	972.2
CLAIMS								
Liabilities:								
Real estate debt ⁶	111.3	113.7	112.3	105.7	95.9	87.7	83.0	80.5
Non-real estate debt to—								
Reporting institutions ⁷	72.3	73.9	74.0	66.8	58.4	54.9	53.5	53.0
Nonreporting creditors ⁸	19.5	18.9	18.0	15.4	12.4	11.1	12.0	12.5
Total liabilities ⁵	203.1	206.5	204.3	187.9	166.6	153.7	148.5	146.0
Proprietors' equity	845.9	850.0	764.8	697.9	674.4	733.1	790.0	826.3
Total ⁵	1,049.0	1,056.4	969.2	885.8	841.0	886.8	938.5	972.2

¹ Beginning with 1975, data are for farms included in new farm definition, that is, assets and debts on places with sales less than \$1,000 annually are excluded. ² Horses and mules are excluded. ³ Does not include crops under loan to Commodity Credit Corporation. ⁴ Includes currency, demand and savings deposits, and U.S. savings bonds. ⁵ Total of rounded data. ⁶ Includes Commodity Credit Corporation storage and drying facility loans. ⁷ Loans of all operating banks, the production credit associations, the Farmers Home Administration, and discounts of the Federal intermediate credit banks for agricultural credit corporations and livestock loan companies. ⁸ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. ⁹ Preliminary. n.a. not available.

Economic Research Service.

Table 545.—Farm machinery and equipment: Number of specified kinds on farms, and tractor horsepower, United States, Census years ¹

Year	Tractors (exclusive of steam and garden)				Motor-trucks	Grain combines ³	Corn-heads ⁴	Pickup balers ⁵	Field forage harvesters ⁶
	Total ²	Wheel	Crawler	Horse-power					
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Millions</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
1950	3,394	3,250	144	93	2,207	714	456	196	81
1954	4,345	4,185	160	126	2,702	979	688	448	202
1959	4,688	4,489	199	153	2,834	1,042	792	680	291
1964	4,786	4,601	186	176	3,030	910	690	751	316
1969	4,622	4,419	203	203	2,985	790	635	708	304
1974	4,467	4,312	155	222	3,038	524	615	666	255
1978	n.a.	⁷ 4,626	(⁸)	301	3,358	655	694	744	295
1982	n.a.	4,524	(⁸)	309	3,435	644	684	800	285
1987	n.a.	4,609	(⁸)	(⁹)	3,437	667	(⁹)	823	(⁹)

¹ Data as of December 31. Data are from Census of Agriculture. Interpolations between Census years have been discontinued. ² Includes wheel and crawler-type tractors. ³ Data for 1974 and after are for self-propelled combines only. ⁴ Includes corn pickers and picker shellers. ⁵ Does not include balers, producing bales weighing more than 200 pounds. ⁶ Data for 1978 and after do not include flail-type forage harvesters. ⁷ U.S. totals for 1978 are not directly comparable with totals for 1974 or earlier Census years, because they include State-level data from farm operators represented on the Census mailing list, plus estimates from the direct enumeration sample for farms not represented on the mailing list. As a result, figures for nearly all categories are somewhat higher than they would be using the earlier base. ⁸ Discontinued after 1974. ⁹ Discontinued after 1982. n.a. not available.

Economic Research Service.

Table 546.—Population: Total and rural farm, United States, 1975-89

Year	Total population ¹	Farm population		Year	Total population ¹	Farm population	
		Num-ber ²	Percent-age of total			Num-ber ²	Percent-age of total
	<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Percent</i>		<i>Thou-sands</i>	<i>Thou-sands</i>	<i>Percent</i>
Previous definition: ³				Current definition: ⁴			
1975	215,353	8,864	4.1	1979	224,438	6,241	2.8
1976	217,528	8,253	3.8	1980	227,061	6,051	2.7
1977	219,684	7,806	3.6	1981	229,542	5,850	2.5
1978	221,991	8,005	3.6	1982	231,932	5,628	2.4
1979	224,438	7,553	3.4	1983	234,237	5,787	2.5
1980	227,061	7,241	3.2	1984	237,001	5,754	2.4
1981	229,542	7,014	3.1	1985	239,279	5,355	2.2
1982	231,932	6,880	3.0	1986	241,625	5,226	2.2
1983	234,237	7,029	3.0	1987	243,934	4,986	2.0
				1988	246,329	4,951	2.0
				1989	248,762	4,801	1.9

¹ Total population includes Armed Forces overseas. April figures for 1975-83; July figures for later years. ² April-centered five quarter averages for 1975-83; annual averages of monthly data for later years. ³ Farm population is defined as all persons living on rural places of 10 or more acres with at least \$50 worth of agricultural products sold in reporting year, and rural places of under 10 acres if at least \$250 worth of agricultural products were sold. Last year of data was 1983. ⁴ Beginning 1979, the farm population is defined as all persons living on rural places with \$1,000 or more of agricultural sales in the reporting year.

Economic Research Service and the U.S. Department of Commerce.

Table 547.—Farm machines, selected types: Units shipped in the United States, 1975–88

Year	Moldboard plows	Subsoilers, deep tillage	Chisel plows or tillers (chisel or sweep type)	Field cultivators	Cultiva- tors ¹	Power sprayers and dusters ²	Crop dryers (heated air)
	Number	Number	Number	Number	Number	Number	Number
1975.....	56,659		35,898	30,178	48,404	61,835	30,808
1976.....	52,711		38,199	31,942	40,299	55,593	29,904
1977.....	46,325		30,278	26,462	33,999	54,957	41,427
1978.....	32,111		23,169	18,712	38,355	62,269	39,951
1979.....	39,507		26,554	24,251	42,555	75,428	32,308
1980.....	26,759	8,302	20,407	20,154	32,876	63,588	24,301
1981.....	23,398	4,812	15,550	13,552	25,197	53,717	20,271
1982.....	8,538	3,010	8,971	8,517	14,622	42,897	27,360
1983.....	5,724	2,360	5,800	7,173	8,510	37,168	9,123
1984.....	5,031	2,727	6,066	9,395	9,419	39,671	9,798
1985.....	3,212	2,208	3,866	5,543	8,168	41,606	14,497
1986.....	1,902	1,000	2,805	2,817	4,110	41,506	11,043
1987.....	867	1,202	3,644	4,198	6,720	43,716	6,587
1988.....	1,574	2,102	4,596	4,207	10,154	43,832	3,923

Year	Side delivery hay	Hay balers	Field forage harvesters	Combines (harvester threshers)	Small grain headers for combines	Corn picking units (combine attach- ments)	Cotton strippers and pickers ³
	Number	Number	Number	Number	Number	Number	Number
1975.....	22,591	49,118	22,792	31,259		26,741	1,361
1976.....	21,896	50,151	22,627	31,712		25,087	1,127
1977.....	20,328	42,621	18,740	31,943		24,035	1,816
1978.....	20,602	43,982	16,941	32,020		18,629	1,775
1979.....	19,126	52,310	17,090	32,357		20,052	1,279
1980.....	19,707	49,511	15,823	28,502	46,182	14,601	8,108
1981.....	13,615	39,149	9,563	32,062	48,695	17,107	7,537
1982.....	10,089	24,632	6,355	22,726	24,656	7,228	5,031
1983.....	7,266	25,018	5,357	13,673	14,699	4,121	3,028
1984.....	9,069	24,807	4,653	11,296	14,151	4,388	3,989
1985.....	8,072	19,989	3,244	7,027	9,978	2,829	4,073
1986.....	5,339	16,325	1,997	8,288	9,835	4,291	2,986
1987.....	4,230	18,002	2,209	9,484	9,212	4,485	2,978
1988.....	7,127	25,974	3,508	7,573	14,302		4,242

Year	Peanut combines, diggers, shakers, and windrowers	Potato harvest- ers ⁴	Manure spreaders	Power grinders and crushers	Silo and grain bin unloaders ⁵	Milking machines ⁶	Mower- condition- ers (combina- tion) ⁷
	Number	Number	Number	Number	Number	Number	Number
1975.....	2,647	1,273	29,977	9,080	20,238	10,976	35,839
1976.....	1,919	1,328	26,239	4,871	21,556	9,303	32,940
1977.....	1,790	1,005	24,541	6,508	25,899	10,704	27,517
1978.....	1,974	758	24,118	10,614	29,040	11,507	29,921
1979.....	1,632	362	24,649	11,077	25,663	14,274	35,039
1980.....	830	258	24,217	8,035	21,415	30,392	38,171
1981.....	270	389	16,254	6,662	16,599	90,381	31,059
1982.....	974	342	11,540	4,206	10,402	66,083	20,051
1983.....	1,055	302	11,451	3,334	8,699	48,855	15,048
1984.....	1,145	347	11,466	2,623	8,194	38,113	19,218
1985.....	1,296	302	9,923	3,416	7,501	60,841	12,397
1986.....	1,148	195	10,719	2,073	4,719	30,442	10,556
1987.....	1,031	260	11,815	2,537	7,273	37,517	11,738
1988.....	1,422	289	13,533	2,322	11,596	39,539	15,856

¹ Row cultivators, tractor-drawn or mounted; corn and cotton type; rotary cultivators not included. ² Does not include foggers and mist sprayers. ³ Beginning in 1986, other harvesting machinery including potato diggers, corn harvesting equipment, picker-shellers, and field shelling attachments for corn pickers. ⁴ Beginning in 1987, beet harvesters are included. ⁵ Horizontal silo unloaders not included. ⁶ Includes all mechanical milking machines, vacuum pumping outfits, and complete pipeline milking units. ⁷ Includes also self-propelled windrowers.

⁸ Includes corn picking units for 1988.

U.S. Department of Commerce.

Table 548.—Farm machines and equipment: Value of shipments, including exports, by classes, United States, 1975-88

Year	Total	Plows and listers	Harrows, rollers, pulverizers, and stalk cutters	Planting and fertilizing machinery	Cultivators and weeders	Harvesting machinery	Haying machinery	Machines for preparing crops for market or use
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	7,046,354	250,134	476,274	480,273	227,440	1,253,430	481,334	262,379
1976.....	7,525,216	266,660	478,322	516,847	224,013	1,435,307	508,250	233,656
1977.....	7,986,664	239,151	465,974	550,782	212,634	1,599,772	469,715	308,932
1978.....	7,829,004	203,617	462,419	522,416	206,125	1,815,631	533,738	356,008
1979.....	9,791,383	273,496	601,262	652,944	275,519	2,133,516	674,621	384,916
1980.....	9,450,357	245,875	555,377	680,743	275,793	2,207,075	778,199	340,083
1981.....	10,001,549	233,199	522,491	802,378	235,994	2,579,889	711,748	319,425
1982.....	7,768,197	151,887	360,522	673,080	202,153	2,069,585	545,099	282,420
1983.....	6,158,809	129,746	340,951	447,490	132,889	1,478,807	541,899	194,556
1984.....	6,821,686	152,464	369,681	601,094	175,355	1,424,639	611,568	197,790
1985.....	5,025,452	110,984	286,595	453,250	139,985	1,190,831	498,116	193,727
1986.....	4,355,565	75,310	211,311	371,210	81,103	1,230,124	383,434	203,657
1987.....	4,804,864	74,643	261,380	409,082	104,619	1,282,315	433,671	208,189
1988.....	6,793,524	117,725	334,499	508,566	154,471	1,422,751	574,587	193,275

Year	Tractors for farm use ^{1 2}	Farm wagons and other farm transportation equipment ³	Sprayers and dusters	Farm elevators and blowers	Farm dairy machines and equipment	Farm poultry equipment	Hog equipment	Other barn and barnyard equipment
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	2,867,473	178,577	155,752	100,404	68,037	70,023	37,574	137,250
1976.....	3,044,640	173,130	158,848	87,611	77,087	100,472	59,793	160,580
1977.....	3,211,575	183,934	161,709	114,691	97,347	127,867	54,481	188,150
1978.....	3,203,157	247,779	197,931	157,168	108,920	159,452	95,266	251,587
1979.....	3,314,388	276,557	245,368	173,492	134,301	223,333	120,728	306,942
1980.....	3,108,391	207,105	254,083	140,809	143,732	174,931	63,951	274,220
1981.....	3,414,133	212,087	248,491	117,986	159,961	144,939	41,530	257,298
1982.....	2,474,884	172,989	257,882	112,436	110,656	110,409	41,946	202,249
1983.....	1,720,680	140,300	228,465	72,576	116,133	102,443	50,490	184,566
1984.....	2,045,298	133,386	252,992	69,773	105,430	120,646	44,038	168,912
1985.....	1,154,527	105,480	244,412	66,877	92,308	109,000	35,938	156,768
1986.....	893,432	109,291	212,566	82,049	77,137	93,420	41,964	129,146
1987.....	958,597	144,632	214,484	73,648	76,584	116,763	66,415	164,142
1988.....	227,860	1,725,202	274,994	64,342	95,492	144,149	75,717	214,133

¹ Beginning in 1983, only wheeled tractors included. ² For 1988, attachments and parts only. ³ For 1988, includes tractors. Due to concentration in the industry, tractors are no longer reported separately because of disclosure problems.

U.S. Department of Commerce.

Table 549.—Farm labor: Number of workers on farms and average wage rates, by States and regions ¹

State and region ²	Workers on farms		Farm wage rates ⁴				
	Unpaid ³	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>Jan. 8-14, 1989</i>							
Northeast I.....	48	37	5.75	4.52	4.92	5.22	5.02
Northeast II.....	90	35	5.12	4.13	4.55	5.32	5.05
Appalachian I.....	53	21	4.59	4.92	4.80	4.52	6.14
Appalachian II.....	118	31	4.33	4.71	4.55	4.50	5.07
Southeast.....	67	36	4.41	5.19	4.82	5.11	5.30
FL.....	23	70	5.66	4.77	5.47	4.86	7.27
Lake.....	202	53	4.49	4.21	4.28	4.94	4.31
Cornbelt I.....	176	51	5.12	4.79	4.92	4.90	6.30
Cornbelt II.....	160	27	5.62	5.30	5.43	5.03	6.59
Delta.....	81	27	4.48	4.03	4.27	4.05	5.40
N. Plains.....	166	24	6.21	4.94	5.20	5.39	5.52
S. Plains.....	193	49	4.15	4.85	4.55	4.45	5.38
Mountain I.....	61	13	5.82	4.43	4.70	4.86	4.87
Mountain II.....	33	19	4.64	4.92	4.82	5.01	5.33
Mountain III.....	33	13	4.68	4.57	4.64	4.77	5.42
Pacific.....	54	30	5.50	6.04	5.68	5.43	7.20
CA.....	60	156	5.70	5.80	5.72	5.64	7.49
HI.....	3	9	7.57	(⁵)	7.51	7.58	10.27
US (49 States).....	1,621	701	5.33	4.83	5.09	5.14	5.84
<i>Apr. 9-15, 1989</i>							
Northeast I.....	51	41	5.62	4.28	4.88	5.45	4.94
Northeast II.....	99	33	5.37	4.77	5.17	5.47	5.51
Appalachian I.....	64	32	4.25	4.41	4.30	4.38	5.37
Appalachian II.....	132	33	4.21	4.76	4.47	4.70	4.97
Southeast.....	63	51	4.10	4.22	4.13	4.30	4.52
FL.....	23	51	5.30	5.02	5.24	5.16	6.71
Lake.....	226	58	4.80	4.03	4.26	4.99	4.07
Cornbelt I.....	193	56	5.05	5.06	5.05	5.03	5.98
Cornbelt II.....	176	38	4.50	5.38	4.86	4.67	5.67
Delta.....	88	41	3.95	3.49	3.85	3.81	4.44
N. Plains.....	190	42	5.13	4.88	5.02	5.12	5.51
S. Plains.....	200	58	4.46	4.78	4.62	4.79	5.07
Mountain I.....	61	25	4.44	3.74	4.16	4.64	4.19
Mountain II.....	38	26	4.60	4.61	4.60	5.11	4.92
Mountain III.....	35	15	4.82	5.03	4.90	4.83	6.71
Pacific.....	71	57	5.15	5.86	5.25	5.13	7.06
CA.....	64	163	5.96	6.40	6.00	5.84	8.62
HI.....	3	10	7.71	(⁵)	7.55	7.53	10.81
US (49 States).....	1,777	830	5.14	4.71	5.00	5.06	5.54

See footnotes at end of table.

Table 549.—Farm labor: Number of workers on farms and average wage rates, by States and regions ¹—Continued

State and region ²	Workers on farms		Farm wage rates ⁴				
	Unpaid ³	Hired	Type of worker			Method of pay	
			Field	Livestock	Field and livestock	Hourly	Other
	Thousands	Thousands	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour	Dollars per hour
<i>July 9-15, 1989</i>							
Northeast I.....	73	57	5.19	4.33	4.82	5.35	4.71
Northeast II.....	108	60	5.00	4.46	4.93	5.20	5.55
Appalachian I.....	106	71	4.03	4.58	4.15	4.08	5.07
Appalachian II.....	186	48	4.43	4.69	4.54	4.65	4.84
Southeast.....	108	70	4.24	4.50	4.29	4.07	4.92
FL.....	24	47	4.88	5.21	4.93	4.89	7.55
Lake.....	290	107	4.37	4.21	4.31	4.77	4.08
Cornbelt I.....	287	72	4.53	5.17	4.68	4.58	5.52
Cornbelt II.....	208	61	5.20	4.85	5.12	4.99	5.50
Delta.....	95	57	4.14	4.10	4.13	4.02	4.98
No. Plains.....	236	66	5.10	4.53	5.03	4.89	4.66
So. Plains.....	203	63	4.47	4.88	4.65	4.79	5.18
Mountain I.....	69	33	4.67	4.28	4.57	4.70	4.41
Mountain II.....	54	30	4.03	4.81	4.38	4.91	4.11
Mountain III.....	35	18	4.13	4.63	4.29	4.52	5.69
Pacific.....	90	96	4.71	6.02	4.86	5.04	6.26
CA.....	75	230	5.90	6.58	5.96	5.95	9.19
HI.....	4	11	8.02	(⁵)	7.94	7.98	11.52
US (49 States).....	2,251	1,197	4.96	4.79	4.92	5.08	5.49
<i>Oct. 8-14, 1989</i>							
Northeast I.....	64	55	5.90	4.39	5.26	5.76	4.90
Northeast II.....	93	43	5.10	4.04	4.75	5.37	4.28
Appalachian I.....	88	41	4.45	4.57	4.49	4.58	4.86
Appalachian II.....	182	46	4.21	4.33	4.26	4.42	4.85
Southeast.....	102	46	4.07	4.20	4.09	4.23	4.32
FL.....	22	57	4.92	5.45	4.97	4.93	8.38
Lake.....	292	78	5.24	4.12	4.82	5.12	4.50
Cornbelt I.....	265	57	4.93	4.81	4.91	5.15	4.95
Cornbelt II.....	201	51	4.91	4.82	4.89	4.96	5.76
Delta.....	94	55	4.06	3.83	4.01	3.96	4.40
No. Plains.....	215	39	5.63	4.63	5.46	5.88	4.71
So. Plains.....	197	66	4.74	4.75	4.75	4.79	5.48
Mountain I.....	57	28	4.69	4.21	4.59	4.77	4.56
Mountain II.....	34	20	4.21	4.50	4.36	4.38	5.07
Mountain III.....	35	18	4.82	4.54	4.70	4.80	5.99
Pacific.....	78	80	6.09	6.08	6.09	5.55	6.68
CA.....	70	193	5.76	6.44	5.86	5.89	8.71
HI.....	4	10	7.77	(⁵)	7.73	7.84	11.68
US (49 States).....	2,093	983	5.22	4.76	5.11	5.23	5.61

¹ Excludes agricultural service workers. ² Regions consist of the following: Northeast I: CT, ME, MA, NH, NY, RI, VT; Northeast II: DE, MD, NJ, PA; Appalachian I: NC, VA; Appalachian II: KY, TN, WV; Southeast: AL, GA, SC; Lake: MI, MN, WI; Cornbelt I: IL, IN, OH; Cornbelt II: IA, MO; Delta: AR, LA, MS; No. Plains: KS, NE, ND, SD; So. Plains: OK, TX; Mountain I: ID, MT, WY; Mountain II: CO, NV, UT; Mountain III: AZ, NM; Pacific: OR, WA.

³ Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during survey week. ⁴ Includes all persons doing work for pay during survey week. ⁵ Insufficient data.

National Agriculture Statistics Service.

Table 550.—Farm labor: Number of workers on farms, average wage rates, and indexes, United States, 1975-89 ¹

Year	Total workers		Unpaid workers ²		Hired workers ³		Hired farm workers ³	
	Number of workers	Index ⁴ 1977=100	Number of workers	Index ⁴ 1977=100	Number of workers	Index ⁴ 1977=100	Wage rates	Index ⁴ 1977=100
1975	4,342.1	104	3,025.5	106	1,316.6	101	2.43	85
1976	4,373.9	105	2,997.2	105	1,376.7	105	2.66	93
1977	4,169.9	100	2,863.0	100	1,306.9	100	2.87	100
1978 ⁵	3,956.6	95	2,688.9	94	1,267.7	97	3.09	108
Jan	3,009.5	93	2,245.2	93	764.3	94	3.18	107
Apr	3,688.5	89	2,593.4	87	1,095.1	95	3.09	110
July	4,967.8	98	3,119.8	98	1,848.0	99	2.94	106
Oct	4,080.0	98	2,762.6	97	1,317.4	100	3.19	107
1979	3,774.2	91	2,501.2	87	1,273.0	97	3.39	118
Jan	2,996.5	93	2,198.7	91	797.8	98	3.38	114
Apr	3,480.6	84	2,424.4	82	1,056.2	91	3.40	121
July	4,639.3	92	2,831.9	89	1,807.4	97	3.23	117
Oct	3,943.5	95	2,525.1	89	1,418.4	108	3.57	119
1980	3,705.3	89	2,402.3	84	1,303.0	100	3.66	128
Jan	3,021.5	94	2,111.9	88	909.6	111	3.69	125
Apr	3,441.4	83	2,255.0	76	1,186.4	103	3.61	128
July	4,542.6	90	2,751.2	86	1,791.4	96	3.54	128
Oct	3,791.4	91	2,485.4	88	1,306.0	99	3.85	129
1981								
Jan	2,997.5	93	2,068.9	86	928.6	114	4.12	139
Apr	3,662.5	89	2,402.9	81	1,259.6	109	3.92	139
1982								
July	4,043.4	80	2,494.4	78	1,549.0	88	4.00	144
1983								
July	3,749.0	74	2,271.0	71	1,478.0	79	4.11	148
1984								
July	3,750.0	74	2,315.0	73	1,435.0	77	4.16	150
Oct	3,059.0	74	2,034.0	72	1,025.0	78	4.56	153
1985								
Apr	2,821.0	68	1,914.0	64	907.0	78	4.51	160
July	3,570.0	71	2,197.0	69	1,373.0	73	4.24	153
Oct	2,956.0	71	1,941.0	68	1,015.0	77	4.56	153
1986								
Apr	2,718.0	66	1,808.0	61	910.0	79	4.71	167
July	3,204.0	63	1,971.0	62	1,233.0	66	4.57	165
Oct	2,814.0	68	1,839.0	65	975.0	74	4.83	162
1987								
Apr	2,636.0	64	1,751.0	59	885.0	76	4.90	174
July	3,211.0	63	1,941.0	61	1,270.0	68	4.78	173
Oct	2,843.0	68	1,846.0	65	997.0	76	4.92	165
1988								
Apr	2,732.0	66	1,796.0	60	936.0	81	5.00	177
July	3,218.0	64	2,018.0	63	1,200.0	64	4.90	177
Oct	2,913.0	70	1,937.0	68	976.0	74	5.18	173
1989								
Jan	2,322.0	72	1,621.0	67	701.0	86	5.51	186
Apr	2,607.0	68	1,777.0	60	830.0	72	5.35	190
July	3,448.0	63	2,251.0	71	1,197.0	64	5.23	189
Oct	3,076.0	74	2,093.0	74	983.0	75	5.42	181

¹ For 1975 through 1980, annual averages are the sum of regional and State averages of the quarterly Multiple Frame Labor Surveys which cover the weeks that include the twelfth of January, April, July, and October. The quarterly farm labor surveys were discontinued after April 1981. An annual survey was implemented in 1982 which surveyed establishments in July obtaining data for the week that included the 12th. Beginning in July 1984, three surveys a year were conducted in the 48 contiguous States and Hawaii. ² Includes farm operators doing 1 or more hours of farm work and other unpaid workers working 15 hours or more during the survey week without cash wages.

³ Includes all persons doing farm work for pay during the survey week. ⁴ Index is not seasonally adjusted.

⁵ Hawaii included in U.S. average beginning 1978.

National Agricultural Statistics Service.

Table 551.—Workers who did only hired farm work: Number of workers, average days worked and earnings received, United States, selected years 1974-87 ¹

Year	Workers who did 25 days or more of hired farm work			Year	Workers who did 25 days or more of hired farm work		
	Total	Average days worked	Average earnings received during year		Total	Average days worked	Average earnings received during year
	<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>		<i>Thousands</i>	<i>Days</i>	<i>Dollars</i>
1974	1,073	166	2,814	1981	1,035	179	4,986
1975	972	171	3,082	1982 ²			
1976	1,068	160	3,176	1983	1,118	172	5,544
1977	1,133	170	3,592	1984 ²			
1978 ²				1985	1,007	196	6,251
1979	1,168	169	4,126	1986 ²			
1980 ²				1987 ³	1,004	194	5,987

¹ Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who did hired farm work at some time during the year. This series differs from the hired workers series shown in table 552 which estimates farm employment from a survey of farm operators. ² Beginning in 1977, the survey was conducted biennially. ³ Data series ends with 1987; the survey was discontinued.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

Table 552.—All hired farm workers: Number and sex of workers, average days worked and earnings received, United States, selected years 1974-87 ¹

Year	All hired farm workers			Workers with 25 days or more of hired farm work during the year				
	Total	Male	Female	Number of hired farm workers	Average days worked		Average earnings received during year	
					At farm and nonfarm work	At farm work	At farm and nonfarm work	At farm work
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Days</i>	<i>Days</i>	<i>Dollars</i>	<i>Dollars</i>
1974	2,737	2,165	572	1,568	178	145	3,051	2,433
1975	2,638	2,036	602	1,458	179	146	3,274	2,584
1976	2,767	2,086	681	1,622	174	139	3,516	2,714
1977	2,730	2,092	638	1,675	182	146	3,973	3,018
1978 ²								
1979	2,652	2,075	576	1,753	190	150	4,883	3,605
1980 ²								
1981	2,492	1,918	574	1,523	188	154	5,281	4,214
1982 ²								
1983	2,595	2,017	578	1,623	191	155	5,934	4,878
1984 ²								
1985	2,522	1,980	542	1,579	211	165	6,838	5,047
1986 ²								
1987 ³	2,463	1,961	501	1,606	217	167	7,437	5,033

¹ Data are obtained from persons 14 years of age and over in the civilian noninstitutional population at or near the end of the year who performed hired farm work at some time during the year. This series differs from the hired workers series shown in table 553 which estimates farm employment from a survey of farm operators. ² Beginning in 1977, survey data were collected biennially. ³ Data series ends with 1987; the survey was discontinued.

Economic Research Service. Based on data from an enumerative sample survey made by the Bureau of the Census, U.S. Department of Commerce for the Economic Research Service.

Table 553.—Crops: Area, yield, production, and value, United States, 1987–89 ¹

Crop	Area harvested ²			Yield per harvested acre ³			Production			Value of production		
	1987	1988	1989 ⁴	Unit	1987	1988	1989 ⁴	1987	1988	1989 ⁴	1987	1988
	1,000 acres	1,000 acres	1,000 acres				Thous.	1,000 dollars	Thous.	1,000 dollars	1,000 dollars	1,000 dollars
Corn for grain.....	59,505	58,250	64,781	Bushel...	119.8	84.6	116.2	7,131,300	4,928,681	7,527,152	14,107,705	12,661,362
Corn for silage.....	5,994	6,284	6,906	Ton.....	37.4	34.5	35.1	226,442	218,931	246,243	236,442	246,243
Wheat, all ⁵	55,945	53,169	62,149	Bushel...	37.7	30.8	32.8	2,130,385	1,630,809	2,048,938	5,497,712	5,683,999
Wheat, winter ⁶	39,972	39,807	43,659	Bushel...	30.8	25.7	27.1	1,220,317	1,000,000	1,199,999	3,469,972	3,583,376
Oats.....	13,323	10,542	17,007	Bushel...	33.7	19.5	25.1	449,687	205,460	439,229	1,222,989	508,939
Other spring.....	13,323	10,542	17,007	Bushel...	33.7	19.5	25.1	449,687	205,460	439,229	1,222,989	508,939
Barley ⁷	6,888	5,533	6,874	Bushel...	54.3	39.3	54.4	373,713	217,600	373,778	1,205,589	705,717
Rye ⁸	9,957	7,636	8,303	Bushel...	52.4	38.0	48.6	521,499	289,994	403,443	967,008	532,621
Buckley ⁹	671	595	479	Bushel...	24.1	24.7	24.7	19,526	14,689	13,482	775,229	950,080
Flaxseed.....	463	226	177	Bushel...	16.1	7.1	7.7	7,444	1,615	1,355	31,641	37,006
Rice.....	2,333.0	2,900.0	2,687.0	Cwt.....	5.555	5.514	5.749	129,603	159,897	154,487	1,091,817	1,096,859
Sorghum for grain.....	10,531	9,042	11,153	Bushel...	69.4	63.8	55.4	730,809	576,686	617,860	1,179,444	1,337,424
Sorghum for silage.....	429	518	510	Ton.....	12.4	10.1	10.4	5,307	5,252	5,304	1,179,444	1,337,424
Cotton lint.....	10,030.3	11,948.2	9,537.7	Bale.....	706	619	614	5,769.2	15,411.5	12,195.6	4,555.017	4,190,488
Cottonseed.....	60,133	65,055	63,395	Ton.....	2.45	1.94	2.29	147,457	126,010	145,445	8,454,395	8,492,980
Hay, all.....	1,665.4	1,353.0	1,689.9	Cwt. ⁹	1,563	1,423	1,440	26,031	19,253	24,333	428,350	575,148
Beans, dry edible.....	57,172	57,373	59,388	Bushel...	33.9	27.0	32.4	1,937,722	1,545,841	1,926,806	11,391,000	11,487,742
Soybeans for beans.....	1,547.4	1,628.4	1,644.7	Pound...	2,337	2,445	2,426	3,616,010	3,980,917	3,989,995	10,21,870	1,115,202
Peanuts for nuts.....	1,293.4	1,259.3	1,281.6	Cwt.....	301	283	289	389,320	356,438	370,344	1,682,949	2,143,971
Potatoes.....	1,775.0	1,921.0	1,826.0	Pound...	1,469	933	981	2,608,150	1,791,970	1,791,260	217,618	208,875
Sunflower.....	88.9	85.5	85.7	Cwt.....	131	128	134	11,611	11,497	13,512	133,512	141,202
Sweetpotatoes.....	4	4	4	Pound...	15,800	16,200	15,100	6,300	6,800	6,500	1,676	1,904
Taro.....	586.3	634.0	679.6	Pound...	2,028	2,160	2,016	13,868	13,650	13,650	1,869,569	2,254,206
Tobacco.....	823.6	845.3	851.9	Ton.....	35.5	35.4	34.5	28,218	29,904	29,426	851,664	877,815
Sugarcane for sugar and seed.....	1,252.4	1,300.7	1,294.7	Ton.....	22.4	19.1	19.1	28,072	24,810	25,129	1,073,584	1,022,284
Sugarbeets.....	91.0	103.1	127.2	Pound...	72	69	67	6,555	7,105	8,498	77,371	107,706
Mint oil.....	28.3	33.4	34.5	Pound...	1,770	1,638	1,717	50,048.0	54,696.0	59,326.4	75,578	76,416
Apples, commercial crop.....	452.3	464.1	480.0	Pound...	23,800	19,700	20,800	10,742,000	9,131,000	9,963,600	903,357	1,150,357
Peaches.....	190.1	183.8	185.4	Ton.....	13.70	12.40	13.20	2,381,500	2,614,000	2,333,300	308,970	352,127
Figs.....	68.7	69.3	69.5	Ton.....	7.04	8.20	7.96	482,000	860,850	917,000	185,377	235,423
Grapes.....	763.7	760.8	745.0	Ton.....	4.62	3.92	4.00	3,526,950	6,033,200	5,930,850	1,358,728	1,603,251
Cherries, sweet.....	46.6	47.5	48.6	Ton.....	7.11	7.04	7.04	333,000	386,200	344,400	138,500	138,500
Cherries, tart.....	10.3	10.3	10.3	Ton.....	1.95	1.95	1.95	20,000	20,000	20,000	22,357	22,357
Almonds (California).....	39.2	42.6	40.6	Ton.....	6.14	5.65	5.25	216,000	213,000	213,000	36,882	33,927
Prunes, dried (California).....	75.0	77.2	76.9	Ton.....	3.03	1.96	2.94	225,000	151,000	226,000	75,361	102,661
Prunes and plums, fresh basis (excluding California).....	9.4	9.6	9.8	Ton.....	5.27	5.43	4.49	49,500	52,000	44,000	6,273	8,805
Figs ¹⁰	18.1	17.7	16.9	Ton.....	2.89	3.14	2.84	52,300	55,500	48,000	17,335	19,145
Nectarines.....	23.6	25.3	23.8	Ton.....	8.09	7.91	8.40	191,000	200,000	200,000	65,545	78,861

See footnotes at end of table.

Table 553.—Crops: Area, yield, production, and value, United States, 1987-89¹—Continued

Crop	Area harvested ²			Yield per harvested acre ³				Production			Value of production				
	1987	1988	1989 ⁴	Unit	1987	1988	1989 ⁴	Thou- sands	1988	Thou- sands	1989 ⁴	1,000 dollars	1988	1,000 dollars	1989 ⁴
	1,000 acres	1,000 acres	1,000 acres												
Olives	31.6	31.5	29.8	Ton.....	2.14	2.78	4.13	67,500	87,500	123,000	41,053	45,229	62,725		
Dates	4.9	5.1	5.0	Ton.....	3.96	4.31	4.40	22,000	22,000	22,000	16,917	19,712	21,780		
Kiwifruit	6.8	7.1	7.1	Ton.....	4.26	4.61	5.63	29,000	32,700	40,000	18,886	22,420	14,800		
Avocados ¹¹	74.8	75.2	74.6	Ton.....	2.41	2.19	1.34	180,000	165,000	100,000	205,200	207,900	201,000		
Bananas	1.1	1.1	1.0	Pound.....	10.7	12.3	11.9	11,400	13,200	11,900	3,386	4,356	4,344		
Papayas	2.4	2.3	2.5	Pound.....	44.7	n.a.	n.a.	67,000	69,000	74,000	11,050	12,354	14,380		
Pineapples	36.1	34.6	32.7	Ton.....	n.a.	n.a.	n.a.	692,000	659,000	580,000	99,286	107,402	95,448		
Pomegranates	3.4	3.5	3.1	Ton.....	5.44	5.71	6.13	18,500	20,000	19,000	5,617	6,454	4,906		
Cranberries	26.7	27.3	27.5	Barrel.....	127.0	149.5	136.3	3,391,000	4,080,000	3,747,000	150,906	186,340	159,490		
Strawberries	46.1	47.2	45.6	Cwt.....	242	250	244	11,173	11,791	11,108	552,336	544,279	519,739		
Oranges ¹²	574.5	588.7	629.4	Box.....	349	355	296	200,250	209,050	186,075	1,773,681	1,848,574	1,454,930		
Grapefruit ¹²	148.7	150.2	151.7	Box.....	462	463	320	68,700	69,500	48,600	478,588	418,133	383,878		
Lemons ¹²	64.5	63.9	62.9	Box.....	320	313	296	12,065	12,280	12,227	202,046	234,606	278,205		
Limes ¹²	7.0	6.6	6.7	Box.....	186	189	246	1,300	1,250	1,650	21,474	22,884	22,884		
Tangerines ¹²	19.5	19.3	20.6	Box.....	264	290	189	5,140	5,590	3,900	80,400	83,119	70,366		
Tangelos ¹²	9.4	9.5	9.9	Box.....	447	400	298	4,200	3,800	2,950	32,605	31,392	20,045		
Templets ¹²	9.3	9.3	9.2	Box.....	382	403	152	3,550	3,750	1,400	27,940	27,844	10,421		
Pecanios	n.a.	n.a.	n.a.	Pound.....	n.a.	n.a.	n.a.	262,200	308,200	250,500	139,109	166,658	179,020		
Pistachios	41.0	47.2	48.4	Ton.....	807	1,990	806	33,100	94,000	39,000	45,347	114,680	60,840		
Walnuts	176.0	177.0	177.0	Ton.....	1.40	1.18	1.29	247,000	209,000	229,000	243,048	192,698	222,588		
Almonds	417.0	419.0	409.0	Pound.....	1,580	1,410	1,200	660,000	590,000	490,000	648,000	600,075	495,075		
Hazelnuts (filberts)	25.8	26.5	27.5	Ton.....	.84	.62	.47	21,800	16,500	13,000	20,902	14,082	10,664		
Macadamia nuts	15.6	16.6	18.2	Pound.....	2,740	2,740	2,770	42,700	45,500	50,500	35,868	40,945	44,945		
Coffee	2.1	2.2	2.3	Pound.....	878	930	957	1,800	2,000	2,200	4,860	6,000	8,910		
Commercial vegetables:															
Beans, snap ¹⁵	224.0	217.7	249.0	Ton.....	3.06	2.70	3.49	685,830	588,280	869,700	109,609	98,628	151,379		
Broccoli	121.7	114.4	116.8	Cwt.....	95	112	116	11,510	12,792	13,513	239,548	292,240	276,050		
Carrots	99.6	97.6	103.6	Cwt.....	288	281	299	28,720	27,400	30,938	248,332	292,849	317,186		
Cauliflower	66.1	62.8	67.7	Cwt.....	112	125	116	7,375	7,874	7,846	187,555	202,113	203,190		
Celery	33.9	34.0	35.3	Cwt.....	526	572	574	17,847	19,423	20,276	198,833	230,762	288,266		
Corn, sweet ¹⁴	625.2	625.3	641.1	Ton.....	5.84	5.02	5.85	3,649.8	3,136.0	3,751.0	371,539	359,123	488,433		
Honeydew melons	28.6	31.2	29.9	Cwt.....	168	168	171	4,811	5,110	69,293	75,341	62,082			
Lettuce	224.9	239.8	242.6	Cwt.....	302	294	310	67,877	70,505	75,169	1,003,213	1,040,366	949,621		
Onions	123.7	129.0	132.6	Cwt.....	365	362	361	45,113	47,896	505,163	413,996	502,124			
Peas, green ¹³	290.3	283.9	316.5	Ton.....	1.51	1.10	1.59	439,530	313,140	504,666	98,576	73,166	119,963		
Tomatoes ¹⁴	387.0	414.6	462.1	Ton.....	23.8	22.2	24.4	9,228.4	9,202.7	11,279.7	1,290,362	1,414,911	1,823,640		

¹ Hawaii is included in commercial vegetables and in area and production of sugarcane, but is excluded from other crops. ² Bearing acreage for noncitrus fruits. ³ Yield per bearing acre for noncitrus fruits. ⁴ Preliminary. ⁵ Discontinued. ⁶ Includes area seeded in preceding fall. ⁷ Area seeded in preceding fall. ⁸ Yield in pounds. ⁹ Clean basis. ¹⁰ Fresh basis. ¹¹ Year of bloom. ¹² Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the year of harvest. ¹³ Processing only. ¹⁴ For breakdown between fresh market and processing, see individual crop tables. n.a. not available.

National Agricultural Statistics Service

Table 554.—Crops: Area, United States, 1975-89

Year	Principal crops				Commercial vegetables, harvested area ⁵	Fruits and planted nuts, bearing area ⁶
	Harvested area			Planted area total ⁴		
	Feed grains ¹	Food grains ²	Total ³			
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
1975.....	104,683	73,045	324,040	332,236	3,416.6	3,437.6
1976.....	106,245	74,126	325,324	336,091	3,202.0	3,374.6
1977.....	108,624	69,612	333,282	344,873	3,217.0	3,485.8
1978.....	105,714	60,391	326,423	336,438	3,255.6	3,504.6
1979.....	102,510	66,173	336,736	345,803	3,298.0	3,510.9
1980.....	101,391	75,087	340,103	355,677	3,044.9	3,556.0
1981.....	106,646	85,119	354,295	363,167	2,971.5	3,537.4
1982.....	106,127	81,876	349,644	358,708	2,189.8	3,544.4
1983.....	80,263	64,451	293,886	309,487	2,132.7	3,572.0
1984.....	106,633	70,709	335,654	345,020	2,441.7	3,545.2
1985.....	111,729	67,904	330,942	342,146	2,462.5	3,493.7
1986.....	101,583	63,709	311,240	327,007	2,308.9	3,431.9
1987.....	86,881	58,949	289,422	304,945	2,434.6	3,457.8
1988.....	80,461	56,684	289,846	308,170	2,469.9	3,486.0
1989.....	91,111	65,315	305,641	317,188	2,619.8	3,481.5

¹ Corn for grain, oats, barley, and sorghum for grain. ² Wheat, rye, and rice. ³ Crop area included is for corn, sorghum, oats, barley, wheat, rice, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry edible beans, potatoes, sweetpotatoes, tobacco, sugarcane, and sugarbeets; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. ⁴ Crop area included is as follows: Planted acres for corn, sorghum, oats, barley, durum and other spring wheat, rice, soybeans, flaxseed, peanuts, sunflower, cotton, dry edible beans, potatoes, sweetpotatoes, and sugarbeets; harvested acres for winter wheat, rye, all hay, tobacco and sugarcane; popcorn. Beginning 1986 also includes dry edible peas, Austrian winter peas and lentils. ⁵ Area for fresh market is area for harvest, including any partially harvested or not harvested because of low prices or other economic factors. Area for processing is area harvested. ⁶ Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, lemons, grapefruit, lemons, limes and tangelos (area is for the year of harvest); deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit (beginning 1980), olives, avocados, papayas, dates, persimmons (prior to 1978), pineapples and pomegranates; nuts—walnuts, almonds, filberts, macadamias, and pistachios (beginning 1977).

National Agricultural Statistics Service.

Table 555.—Harvested crops: Area required for specified purposes, United States, 1975-89

Year	Crops harvested ¹	Area used for producing—			Total population July 1 ³	Year	Crops harvested ¹	Area used for producing—			Total population July 1 ³
		Export products ²	Products for domestic use					Export products ²	Products for domestic use		
			Total	Per capita					Total	Per capita	
	Million acres	Million acres	Million acres	Acres	Millions		Million acres	Million acres	Million acres	Acres	Millions
1975.....	336	100	236	1.09	216	1982.....	362	113	249	1.07	232
1976.....	337	97	240	1.10	218	1983.....	306	124	182	.77	235
1977.....	345	112	233	1.06	220	1984.....	348	96	252	1.06	237
1978.....	338	114	224	1.00	223	1985.....	342	81	261	1.09	239
1979.....	348	125	223	.99	225	1986.....	325	96	229	.95	242
1980.....	352	137	215	.94	228	1987.....	302	106	196	.80	244
1981.....	366	129	237	1.03	230	1988.....	297	118	179	.73	246
						1989 ⁴	318	102	216	.87	249

¹ Area in principal crops harvested as reported by The Agricultural Statistics Board, NASS, plus area in vegetables, fruits, tree nuts, and farm gardens. ² Area for exports relate to exports for year beginning July 1 through 1974 and for October 1 thereafter. Area includes seeds for crops and feed for livestock that are exported. ³ Includes persons in our military forces in this country and abroad. ⁴ Preliminary.

Economic Research Service.

Table 556.—Total farm input: Index numbers of farm input by major subgroups, United States, 1975-89

[1977 = 100]

Year	Total input	Farm labor	Farm real estate	Mechanical power and machinery	Agricultural chemicals ¹	Feed, seed, and livestock purchases ²	Taxes and interest	Miscellaneous
1975.....	97	106	97	96	83	93	100	82
1976.....	98	100	98	98	96	101	102	90
1977.....	100	100	100	100	100	100	100	100
1978.....	102	100	100	104	107	108	99	103
1979.....	105	99	103	104	123	115	103	113
1980.....	103	96	103	101	123	114	100	96
1981.....	102	96	104	98	129	108	99	108
1982.....	99	93	102	92	118	107	95	116
1983.....	96	97	101	89	102	103	99	101
1984.....	96	92	99	86	120	106	93	110
1985.....	92	85	97	80	115	102	96	116
1986.....	89	80	96	77	109	110	97	110
1987.....	89	78	95	73	111	117	100	122
1988.....	87	75	94	72	111	110	97	119
1989 ³	88	76	93	73	122	119	94	123

¹ Includes fertilizer, lime, and pesticides. ² Nonfarm portion of feed, seed, and livestock purchases. ³ Preliminary. n.a. not available.

Economic Research Service.

Table 557.—Farm production and output: Index numbers of total output, and gross production of livestock and crops, by groups, United States, 1975-89

[1977 = 100]

Year	Farm output	Livestock and products ¹					Crops								
		All livestock and products ²	Meat animals ³	Dairy products ⁴	Poultry and eggs ⁵	All crops ⁶	Feed grains ⁷	Hay and forage ⁸	Food grains ⁹	Vegetables ¹⁰	Fruits and nuts ¹¹	Sugar crops ¹²	Cotton	Tobacco	Oil crops ¹³
1975.....	95	95	97	94	92	93	91	100	108	97	98	114	58	114	86
1976.....	97	99	100	98	98	92	96	94	107	99	96	112	74	112	74
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	104	101	100	99	106	102	108	106	93	103	99	101	76	106	105
1979.....	111	104	103	101	114	113	116	108	108	107	105	94	102	80	129
1980.....	104	108	107	105	115	101	97	98	121	104	119	97	79	93	99
1981.....	118	109	106	108	119	117	121	106	144	111	111	107	109	108	114
1982.....	116	107	101	110	119	117	122	109	138	116	113	96	85	104	121
1983.....	96	109	104	114	120	88	67	100	117	107	110	93	55	75	91
1984.....	112	107	101	110	123	111	116	107	129	117	114	95	91	90	106
1985.....	118	110	102	117	128	118	134	106	121	122	119	97	94	81	117
1986.....	111	110	100	116	133	109	123	106	107	117	112	106	69	63	110
1987.....	110	113	102	116	144	108	106	109	107	126	137	111	103	62	108
1988.....	102	116	105	118	148	92	73	89	98	115	137	105	107	72	89
1989 ¹⁴	114	116	104	117	153	107	108	101	107	132	129	105	86	71	106

¹ Production of livestock and livestock products for human use, horses and mules excluded. ² Includes clipped wool, mohair, honey, and beeswax. These items are not included in the separate groups of livestock and products shown. ³ Cattle and calves, sheep and lambs, and hogs. ⁴ Butter, butterfat, wholesale milk, retail milk, and milk consumed on farms. ⁵ Chicken eggs, commercial broilers, chickens, and turkeys. ⁶ Includes production of hayseeds, pasture seeds and cover-crop seeds, and some miscellaneous crop production not included in separate groups of crops shown. ⁷ Corn for grain, oats, barley, and sorghum grain. ⁸ All hay, sorghum forage, corn silage, and sorghum silage. ⁹ All wheat, rye, and rice. ¹⁰ Potatoes, sweetpotatoes, dry edible beans, dry field peas, truck crops for processing, and truck crops for fresh market having value. ¹¹ Fruits, berries, and tree nuts having value. Citrus production is based on year of harvest for 1960 to date; earlier years are based on year of bloom. ¹² Sugarbeets, sugarcane for sugar and seed, sugarcane sirup, and maple sirup. ¹³ Soybeans, peanuts harvested for nuts, cottonseed, and flaxseed. ¹⁴ Preliminary.

Economic Research Service.

Table 558.—Livestock and livestock products: Production and value, United States, 1987-89

Product	Production ¹			Value of production		
	1987	1988	1989 ²	1987	1988	1989 ²
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Cattle and calves	40,502,303	40,617,645	40,051,116	24,765,784	27,247,086	27,892,871
Sheep and lambs	733,111	707,148	777,658	502,642	420,164	448,533
Hogs	20,445,529	21,669,557	21,849,658	10,443,597	9,145,473	9,254,588
Chickens ³	21,523,356	20,635,487	21,949,400	6,177,127	6,841,186	8,030,688
Turkeys	4,894,858	5,059,056	5,453,923	1,703,137	1,951,349	2,239,058
Milk	142,709,000	145,152,000	144,252,000	18,014,069	17,920,834	19,694,070
Wool (shorn)	84,450	89,482	89,157	77,009	124,993	108,902
Mohair ⁴	16,200	15,400	15,400	42,606	29,876	24,794
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
Eggs	70,356,000	69,655,000	67,100,000	3,209,397	3,066,739	3,853,999

¹ For cattle, sheep, and hogs, the quantity of net production is the live weight actually produced during the year, adjustments having been made for animals shipped in and changes in inventory. ² Preliminary. ³ Including commercial broiler production. Pounds sold replace production of chickens. ⁴ Texas only.

National Agricultural Statistics Service.

Table 559.—Agricultural productivity: Index numbers of farm output per unit of input, United States, 1975-89

[1977=100]

Year	Productivity ¹	Year	Productivity ¹	Year	Productivity ¹
1975	99	1980	101	1985	128
1976	98	1981	116	1986	124
1977	100	1982	117	1987	124
1978	101	1983	99	1988	117
1979	105	1984	117	1989 ²	128

¹ Productivity is the output-input ratio. The ratio is obtained by dividing the index of farm output in table 563 by the index of total input in table 558. ² Preliminary. n.a. not available.

Economic Research Service.

Table 560.—Labor: Indexes of farm production per hour, by farming regions, 1975-89 ¹

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lach-ian	South-east	Delta States	South-ern Plains	Moun-tain	Pac-ific	United States
1975	92	79	88	87	94	103	87	84	98	98	90
1976	102	79	96	88	104	111	94	93	107	106	97
1977	100	100	100	100	100	100	100	100	100	100	100
1978	109	102	105	104	106	110	104	92	109	99	104
1979	112	109	117	117	111	122	116	105	105	106	113
1980	116	115	112	102	106	106	95	95	117	115	109
1981	133	128	124	124	130	118	119	119	128	121	123
1982	134	133	123	129	127	139	127	112	126	116	125
1983	118	112	84	105	93	112	94	95	110	101	99
1984	83	80	95	125	159	258	154	92	113	197	121
1985	87	87	127	160	166	274	176	111	109	185	139
1986	88	96	114	166	166	221	178	118	140	166	139
1987	101	92	112	167	162	220	179	136	124	196	142
1988	93	81	102	145	166	243	204	108	141	211	134
1989 ²	99	100	132	152	186	232	203	131	141	181	148

¹ New, survey-based labor series. Not directly comparable to previous year's tables of labor usage. ² Preliminary.

Economic Research Service.

Table 561.—Farm output: Index numbers by farming regions,¹ 1975-90

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1975.....	100	84	95	92	102	108	89	88	104	100	95
1976.....	103	79	97	88	107	112	93	90	108	103	97
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	110	102	105	104	109	111	101	88	112	98	104
1979.....	109	105	115	116	106	120	111	103	106	109	111
1980.....	108	106	105	98	102	107	87	85	114	117	104
1981.....	119	112	115	121	123	127	112	112	127	123	118
1982.....	118	115	112	121	121	125	114	98	121	121	116
1983.....	110	97	80	101	91	109	89	86	114	113	96
1984.....	118	112	103	119	118	121	112	92	115	125	112
1985.....	119	115	122	129	115	122	107	97	109	123	118
1986.....	111	110	116	128	100	104	96	86	115	117	111
1987.....	106	106	108	122	98	108	103	91	118	133	110
1988.....	100	85	87	103	104	117	114	97	111	133	102
1989 ²	109	109	113	112	114	118	107	92	121	136	114
1990 ²	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	117

¹ For States included in regions, see footnote 1, table 618.² Preliminary. n.a. not available.

Economic Research Service.

Table 562.—Cropland used for crops: Index numbers by farming regions,¹ 1975-89

[1977=100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1975.....	98	95	97	99	95	94	89	96	101	102	97
1976.....	99	97	98	98	96	95	96	94	100	103	98
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	99	97	97	96	101	99	100	93	100	101	97
1979.....	101	99	101	99	103	101	102	96	102	102	100
1980.....	102	101	102	99	104	101	102	98	103	104	101
1981.....	103	102	102	102	105	101	102	99	104	106	102
1982.....	103	101	101	102	105	100	100	96	102	103	101
1983.....	97	86	83	92	90	90	84	75	99	96	88
1984.....	101	100	99	101	101	98	95	85	105	100	99
1985.....	101	99	100	101	101	91	92	89	102	99	98
1986.....	97	94	95	99	94	79	84	83	103	95	94
1987.....	90	82	85	95	90	70	80	76	97	93	88
1988.....	88	85	89	92	85	72	83	73	91	84	86
1989 ²	88	87	95	95	91	73	78	78	95	89	90

¹ Cropland used for crops is the sum of the area of land from which one or more crops were harvested plus area of crop failure and summer fallow. For States included in regions, see footnote 1, table 597.² Preliminary.

Economic Research Service

Table 563.—Crop production per acre of cropland used for crops: Index numbers by regions,¹ 1975-89

[1977 = 100]

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
1975.....	103	83	97	87	111	121	99	84	97	97	96
1976.....	102	70	94	81	113	121	93	89	103	98	94
1977.....	100	100	100	100	100	100	100	100	100	100	100
1978.....	109	102	108	110	109	114	100	88	109	95	105
1979.....	109	105	116	119	102	120	112	109	107	107	113
1980.....	104	100	102	92	95	102	81	79	111	113	100
1981.....	112	106	114	116	118	130	110	106	117	112	115
1982.....	114	114	117	120	120	133	118	91	116	115	116
1983.....	104	101	88	102	88	122	98	97	110	114	100
1984.....	116	110	105	118	116	129	118	100	107	121	112
1985.....	120	114	124	129	111	135	114	105	104	124	120
1986.....	113	114	124	131	96	122	106	93	112	122	116
1987.....	115	122	123	127	97	143	120	114	125	147	123
1988.....	100	81	86	100	103	151	132	116	117	148	107
1989 ²	114	118	115	107	112	154	125	101	123	148	119

¹ For States included in regions, see footnote 1, table 599. ² Preliminary.
Economic Research Service.

Table 564.—Industrial production and income: Index numbers of production in selected lines, United States, 1975-89

Year	Industrial production ¹				
	Total	Manufacturing	Durable manufacturing	Nondurable manufacturing	Mining
	1987=100	1987=100	1987=100	1987=100	1987=100
1975.....	66.3	61.6	56.8	67.7	98.0
1976.....	72.4	67.4	62.6	74.6	98.9
1977.....	78.2	73.3	68.7	80.1	101.5
1978.....	82.7	77.8	74.0	83.5	104.6
1979.....	85.7	80.9	78.3	84.6	106.6
1980.....	84.1	78.8	75.7	83.1	110.0
1981.....	85.7	80.3	77.4	84.5	114.3
1982.....	81.9	76.6	72.7	82.5	109.3
1983.....	84.9	80.9	76.8	87.0	104.8
1984.....	92.8	89.3	88.4	90.8	111.9
1985.....	94.4	91.6	91.8	91.5	109.0
1986.....	95.3	94.3	93.9	94.9	101.0
1987.....	100.0	100.0	100.0	100.0	100.0
1988.....	105.4	105.8	107.6	103.6	101.8
1989 ²	108.1	108.9	110.9	106.4	100.5

¹ Data from Board of Governors of the Federal Reserve System. ² Preliminary.
Economic Research Service.

Table 565.—Marketing bill for U.S. farm foods, farm value, and consumer expenditures, 1975-89 ¹

Year	Total market- ing bill	Farm value	Expenditures for farm foods	Year	Total market- ing bill	Farm value	Expenditures for farm foods
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>		<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1975	111.4	55.6	167.0	1983	229.7	85.3	315.0
1976	125.0	58.3	183.3	1984	242.2	89.8	332.0
1977	132.7	58.2	190.9	1985	259.0	86.4	345.4
1978	147.4	69.5	216.9	1986	271.3	88.3	359.6
1979	166.0	79.2	245.2	1987	285.1	90.4	375.5
1980	182.7	81.7	264.4	1988	301.9	96.8	398.8
1981	206.0	81.7	287.7	1989 ²	320.4	103.0	423.4
1982	217.5	81.4	298.9				

¹ The total marketing bill is the difference between total expenditures for domestic farm-originated food products and the farm value or payment farmers received for the equivalent farm products. It relates only to food purchased by consumers that is not imported or exported. ² Preliminary.

Economic Research Service.

Table 566.—Marketing costs for farm food products, United States, 1975-89

Year	Labor ¹	Packaging materials	Intercity transporta- tion, rail and truck	Fuels and electricity	Corporate profits before taxes	Other ²	Total marketing bill ³
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
1975	48.3	13.3	8.4	4.6	7.1	29.7	111.4
1976	53.8	14.5	9.1	5.0	7.7	34.9	125.0
1977	58.3	15.1	9.7	6.0	8.0	35.6	132.7
1978	66.2	16.6	10.5	7.1	9.9	37.1	147.4
1979	75.2	18.6	11.8	8.2	10.0	42.3	166.1
1980	81.5	21.0	13.0	9.0	9.9	48.3	182.7
1981	91.0	22.6	14.3	10.0	9.7	58.4	206.0
1982	96.6	23.7	14.7	11.0	9.3	62.2	217.5
1983	102.4	24.7	15.4	11.7	9.6	65.9	229.7
1984	109.3	26.2	15.9	12.5	9.6	68.7	242.2
1985	115.6	26.9	16.5	13.1	10.4	76.5	259.0
1986	122.9	27.7	16.8	13.2	10.3	80.4	271.3
1987	130.0	29.9	17.2	13.6	10.9	83.5	285.1
1988	137.9	32.4	17.8	14.4	11.3	88.2	302.0
1989 ⁴	146.7	35.1	18.6	15.8	11.1	93.1	320.4

¹ Includes employee wages or salaries, and their health and welfare benefits. Also includes imputed earnings of proprietors, partners, and family workers not receiving stated remuneration. ² Includes depreciation, rent, advertising and promotion, interest, taxes, licenses, insurance, professional services, local for-hire transportation, food service in schools, colleges, hospitals, and other institutions, and miscellaneous items. ³ The marketing bill is the difference between the farm value or payments to farmers for foodstuffs and consumer expenditures for these foods both at foodstores and away from home eating places. Thus, it covers processing, wholesaling, transportation, and retailing costs and profits. ⁴ Preliminary.

Economic Research Service.

Table 567.—Price components for a market basket of farm-originated food products by food group, United States, 1975-89 ¹

Year	Market basket of food products				Bakery and cereal products			
	Retail cost ²	Farm value ³	Farm to retail spread ⁴	Farm value share of retail cost	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1975.....	64	76	58	40	63	107	57	19
1976.....	65	72	61	38	62	87	59	15
1977.....	66	72	63	37	62	72	61	12
1978.....	74	83	68	38	68	83	66	13
1979.....	82	92	77	38	75	95	72	14
1980.....	88	97	83	37	84	111	81	14
1981.....	95	99	92	36	92	109	90	13
1982.....	98	99	98	35	96	96	97	12
1983.....	99	97	100	34	100	101	99	12
1984.....	103	104	103	35	104	103	104	12
1985.....	104	96	108	32	108	94	110	11
1986.....	106	95	112	31	111	76	116	8
1987.....	112	97	119	30	115	71	121	8
1988.....	117	100	125	30	122	93	126	9
1989 ⁵	125	107	134	30	132	102	137	9

	Meat products				Fruits and vegetables, fresh			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1975.....	66	77	56	57	53	63	49	33
1976.....	66	70	63	53	54	61	52	31
1977.....	65	70	60	53	62	70	59	31
1978.....	77	85	69	54	71	80	67	31
1979.....	90	97	84	52	76	79	75	29
1980.....	93	96	89	51	81	78	82	26
1981.....	96	97	95	49	91	97	89	29
1982.....	101	104	98	52	97	100	95	34
1983.....	99	97	102	49	96	90	99	31
1984.....	100	99	100	50	108	111	106	34
1985.....	99	91	107	47	110	101	115	30
1986.....	102	94	110	47	114	96	122	28
1987.....	110	101	118	47	128	113	136	29
1988.....	112	100	125	45	137	111	150	27
1989 ⁵	117	103	130	45	148	117	164	26

	Dairy products				Fats and oils			
	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Index 1982-84=100</i>	<i>Percent</i>
1975.....	63	63	61	50	77	97	69	34
1976.....	68	71	64	52	66	79	60	32
1977.....	70	72	68	50	71	95	62	36
1978.....	74	77	71	51	78	98	70	34
1979.....	83	88	78	52	84	106	75	34
1980.....	91	96	86	52	89	96	87	29
1981.....	97	102	93	51	99	100	98	27
1982.....	99	100	97	49	96	80	102	22
1983.....	100	100	100	48	97	96	98	27
1984.....	101	99	103	47	107	124	100	31
1985.....	103	95	110	44	109	104	111	26
1986.....	103	93	113	43	106	76	118	19
1987.....	106	93	118	42	108	74	121	18
1988.....	108	91	125	40	113	103	117	25
1989 ⁵	116	99	131	41	121	96	131	21

See footnotes at end of table.

Table 567.—Price components for a market basket of farm-originated food products by food group, United States, 1975-89 ¹—Continued

Year	Retail cost ²	Farm value ³	Farm to retail spread ⁴	Farm value share of retail cost	Retail cost	Farm value	Farm to retail spread	Farm value share of retail cost
	Poultry				Fruits and vegetables, processed			
	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent	Index 1982-84=100	Index 1982-84=100	Index 1982-84=100	Percent
1975.....	80	88	71	59	61	63	57	21
1976.....	76	79	75	55	62	61	59	20
1977.....	77	81	74	56	64	59	66	19
1978.....	85	92	76	58	71	88	67	25
1979.....	89	92	86	55	77	91	74	23
1980.....	94	96	91	55	83	97	79	23
1981.....	97	95	100	52	92	106	89	23
1982.....	96	91	101	51	97	100	97	24
1983.....	97	96	98	53	98	93	100	23
1984.....	107	113	101	56	104	107	103	24
1985.....	106	106	107	53	107	118	104	26
1986.....	114	115	113	54	105	102	106	23
1987.....	113	94	134	45	109	111	108	24
1988.....	121	110	133	49	118	137	112	28
1989 ⁵	133	117	151	47	125	134	122	25

¹ The market basket consists of foods that mainly originate on U.S. farms bought in foodstores in a base period, currently 1982-84. ² Indexes of retail cost are components of the Consumer Price Index published by the Bureau of Labor Statistics. ³ Gross return or payment to farmers for the farm products equivalent to foods in the market basket. ⁴ The spread between the retail cost and farm value is an estimate of the gross margin received by marketing firms for assembling, processing, transporting, and distributing the products. ⁵ Preliminary.

Economic Research Service.

Table 568.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1988 and 1989

Commodity and unit		Marketing year average price ¹		Parity price ³	
		1988 ²	1989 ²	1988 ²	1989 ²
		Dollars	Dollars	Dollars	Dollars
Basic commodities:					
Cotton:					
American Upland.....	pound....	0.633	0.556	1.29	1.36
Extra long staple.....	pound....	.963	1.180	1.83	1.96
Wheat.....	bushel....	3.72	3.72	6.98	7.45
Rice.....	cwt.....	6.83	7.53	19.20	20.40
Corn.....	bushel....	2.54	2.33	4.93	5.26
Peanuts.....	pound....	.279	.279	.470	.496
Tobacco:					
Flue-cured, types 11-14.....	pound....	1.613	1.674	3.00	3.14
Va., fire-cured, type 21.....	pound....	1.482	1.537	2.25	2.43
Ky.-Tenn., fire-cured, types 22-23.....	pound....	2.207	1.990	2.74	3.01
Burley, type 31.....	pound....	1.610	1.672	3.06	3.22
Maryland, type 32 ⁴	pound....	1.508	1.634	2.48	2.55
Dark air-cured, types 35-36.....	pound....	1.628	1.701	2.31	2.52
Sun-cured, type 37.....	pound....	1.239	1.351	2.04	2.20
Pa., seedleaf, type 41.....	pound....	1.040	1.270	1.43	1.49
Cigar filler and binder, types 42-44, 54-55.....	pound....	1.249	1.500	1.96	2.04
Puerto Rican filler, type 46.....	pound....	.....	.....	1.96	2.08
Cigar binder, types 51-52.....	pound....	1.700	1.800	3.18	3.33
Designated nonbasic commodities:					
All milk, sold to plants.....	cwt.....	12.26	13.56	23.90	24.90
Fluid market.....	cwt.....	12.36	13.66	.....	.....
Manufacturing grade.....	cwt.....	11.15	12.38	.....	.....
Honey, all.....	pound....	.500	.484	1.11	1.14
Wool and mohair:					
Wool ⁷	pound....	1.380	1.220	2.74	2.97
Mohair ⁸	pound....	1.89	1.58	8.43	8.69

See footnotes at end of table.

Table 568.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1988 and 1989—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³	
	1988 ²	1989 ²	1988 ²	1989 ²
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Other nonbasic commodities:				
Field crops and miscellaneous:				
Barley..... bushel.....	2.80	2.42	4.43	4.68
Beans, dry edible..... cwt.....	29.80	28.70	37.60	39.50
Cottonseed..... ton.....	118.00	105.00	190.00	198.00
Crude pine gum..... barrel.....			158.00	167.00
Flaxseed..... bushel.....	7.56	7.24	10.50	11.00
Hay, all, baled..... ton.....	85.20	86.00	122.00	131.00
Hops..... pound.....	1.40	1.38	2.98	3.16
Oats..... bushel.....	2.61	1.49	2.80	3.10
Peas, dry edible..... cwt.....	8.60	7.99	21.50	22.70
Peppermint oil..... pounds.....	15.90	13.00	19.00	20.60
Popcorn, shelled basis..... cwt.....			20.60	21.80
Potatoes..... cwt.....	6.02	6.85	9.01	9.66
Rye..... bushel.....	2.52	2.10	3.99	4.24
Sorghum grain..... cwt.....	4.05	3.66	8.40	8.82
Soybeans..... bushel.....	7.42	5.60	11.50	12.00
Spearmint oil..... pound.....	12.80	13.90	20.10	21.80
Sweetpotatoes..... cwt.....	13.00	16.10	24.60	25.20
Tobacco:				
Cigar wrapper, type 61..... pound.....	21.20	21.70	20.70	23.30
Cigar wrapper, type 62..... pound.....			9.76	10.30
Fruits:				
Citrus (equiv. on-tree): ⁹				
Grapefruit..... box.....	5.43	4.49	5.78	6.68
Lemons..... box.....	6.89	8.19	6.92	8.01
Limes, Florida..... box.....	11.29	7.76	17.00	16.70
Oranges..... box.....	8.41	8.21	9.16	9.98
Tangelos..... box.....	5.58	5.85		
Tangerines..... box.....	13.29	12.43	12.60	14.90
Templets..... box.....	5.69	4.44	7.91	8.38
Deciduous and other:				
Apples:				
For all sales..... pound.....	.127	.102		
For fresh consumption ¹⁰ pound.....	.174	.134	.292	.303
For processing ¹¹ ton.....	123.00	108.00	209.00	207.00
Apriots:				
For all sales..... ton.....	363.00	340.00		
For fresh consumption ¹⁰ ton.....	667.00	282.00	1,600.00	1,710.00
Dried, California (dried basis) ¹¹ ton.....	314.00	296.00	3,700.00	3,830.00
For processing (except dried) ¹¹ ton.....	282.00	284.00	493.00	518.00
Avocados ¹² ton.....	1,140.00	1,590.00	1,260.00	1,230.00
Berries for processing (Washington and Oregon):				
Blackberries..... pound.....			.706	.745
Boysenberries/youngberries..... pound.....			1.00	1.06
Gooseberries..... pound.....			.424	.448
Loganberries..... pound.....			.686	.725
Raspberries, black..... pound.....			1.21	1.27
Raspberries, red..... pound.....			.960	1.01
Cherries:				
Sweet..... ton.....	788.00	712.00	1,270.00	
Tart..... pound.....	.187	.132	.541	
Cranberries ¹³ barrel.....	45.70	42.60	76.60	82.60
Dates, California ¹² ton.....	896.00	990.00	1,290.00	1,410.00
Figs, canned, California..... ton.....	345.00	346.00		
Grapes:				
For all sales..... ton.....	266.00	309.00		
Raisin varieties dried, California (dried basis) ¹¹ ton.....	180.00	213.00	1,780.00	1,750.00
Nectarines (California):				
For fresh consumption ¹² ton.....			552.00	585.00
For processing ¹¹ ton.....			102.00	108.00

See footnotes at end of table.

Table 568.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1988 and 1989—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³	
	1988 ²	1989 ²	1988 ²	1989 ²
	Dollars	Dollars	Dollars	Dollars
Other nonbasic commodities—Con.				
Fruits—Con.				
Deciduous and other—Con.				
Olives (California): ¹³				
For all sales.....	ton.....	517.00	510.00	
Crushed for oil.....	ton.....	13.00	14.00	55.80
For processing (except crushed).....	ton.....	517.00	510.00	1,070.00
For canning.....	ton.....	602.00	614.00	1,050.00
Peaches:				
For all sales.....	pound.....	.156	.163	
For fresh consumption ¹⁴	pound.....	.213	.233	.409
Dried, California (dried basis) ¹¹	ton.....	960.00	924.00	1,920.00
For processing (except dried):				
Clingstone ¹⁵	ton.....	207.00	212.00	315.00
Freestone ¹¹	ton.....	170.00	173.00	291.00
Pears:				
For all sales.....	ton.....	274.00	275.00	
For fresh consumption ¹⁰	ton.....	358.00	332.00	511.00
Dried, California (dried basis) ¹¹	ton.....	956.00	861.00	1,540.00
For processing (except dried) ¹¹	ton.....	191.00	220.00	303.00
Plums (equiv. on-tree) (California):				
For all sales.....	ton.....	362.00	331.00	
For fresh consumption.....	ton.....			580.00
For processing.....	ton.....			47.80
Pomegranates, California.....	ton.....			
Prunes, dried (California) ¹¹	ton.....	782.00	775.00	1,310.00
Prunes and plums (excl. California):				
For fresh consumption ¹⁴	ton.....	249.00	289.00	654.00
For processing (except dried) ¹¹	ton.....	117.00	115.00	199.00
Strawberries:				
For fresh consumption ¹⁵	pound.....	54.10	54.10	.934
For processing ¹¹	pound.....	25.20	25.10	.493
Seed crops:				
Alfalfa.....	cwt.....			220.00
Bentgrass.....	cwt.....			215.00
Chewings fescue (Oregon).....	cwt.....			114.00
Crimson clover.....	cwt.....			95.60
Hairy vetch.....	cwt.....			66.10
Ladino clover.....	cwt.....			281.00
Lespedeza.....	cwt.....			94.60
Merion Kentucky bluegrass.....	cwt.....			250.00
Orchardgrass.....	cwt.....			81.50
Red clover.....	cwt.....			137.00
Red fescue.....	cwt.....			115.00
Tall fescue.....	cwt.....			41.90
Timothy.....	cwt.....			72.80
Sugar crops:				
Maple sirup.....	gallon.....			
Sugarbeets.....	ton.....	41.10	41.30	64.20
Sugarcane for sugar.....	ton.....	29.30	29.30	50.40
Tree nuts: ¹⁴				
Almonds.....	pound.....	1.05	1.05	2.20
Filberts.....	ton.....	853.00	820.00	1,470.00
Pecans, all.....	ton.....	.541	.715	2,370.00
Improved.....	ton.....	.626	.786	2,430.00
Seeding.....	ton.....	.411	.538	
Walnuts.....	ton.....	922.00	972.00	1,740.00
Vegetables for fresh market: ¹⁵				
Artichokes, California.....	cwt.....			51.80
Asparagus.....	cwt.....	70.50	68.20	125.00
Broccoli.....	cwt.....	24.00	21.00	40.60
Cabbage.....	cwt.....			15.70
Cantaloups.....	cwt.....			24.20
Carrots.....	cwt.....	13.20	13.60	16.30
Cauliflower.....	cwt.....	28.10	28.10	44.30
Celery ¹⁷	cwt.....	11.90	13.20	20.50
Cucumbers.....	cwt.....			25.90

See footnotes at end of table.

Table 568.—Farm product prices: Marketing year average prices received by farmers and parity prices for January, United States, 1988 and 1989—Continued

Commodity and unit	Marketing year average price ¹		Parity price ³	
			1988 ²	1989 ²
	Dollars	Dollars	Dollars	Dollars
Other nonbasic commodities—Con.				
Vegetables for fresh market ¹⁵ —Con.				
Eggplant.....	cwt.....		27.40	29.00
Escarole.....	cwt.....		35.30	37.30
Garlic.....	cwt.....		33.30	35.20
Green peppers.....	cwt.....		41.00	43.30
Honeydew melons.....	cwt.....	14.40 12.10	24.20	26.00
Lettuce.....	cwt.....	14.80 12.60	20.90	22.60
Onions ¹⁷	cwt.....	9.75 11.60	19.30	20.60
Snap beans.....	cwt.....		51.30	54.20
Spinach.....	cwt.....		45.00	47.50
Sweet corn.....	cwt.....	14.80 16.90	22.00	23.90
Tomatoes.....	cwt.....	26.90 33.00	43.10	46.00
Watermelons.....	cwt.....		9.63	10.20
Vegetables for processing: ¹¹				
Asparagus.....	ton.....	1,010.00 955.00	1,680.00	1,790.00
Beets.....	ton.....		88.70	93.60
Cabbage.....	ton.....		68.40	72.20
Cucumbers.....	ton.....	200.00 204.00	412.00	432.00
Green peas.....	ton.....	234.00 238.00	412.00	432.00
Lima beans.....	ton.....		762.00	805.00
Snap beans.....	ton.....	168.00 174.00	300.00	314.00
Spinach.....	ton.....		165.00	174.00
Sweet corn.....	ton.....	60.80 66.90	109.00	115.00
Tomatoes.....	ton.....	60.70 67.50	123.00	126.00
Livestock and livestock products:				
All beef cattle.....	cwt.....	66.60 69.50	107.00	114.00
Cows.....	cwt.....	46.30 48.00		
Steers and heifers.....	cwt.....	71.40 74.30		
Calves.....	cwt.....	89.20 90.80	125.00	136.00
Beeswax.....	pound.....		3.31	3.50
Chickens:				
Excluding broilers, live.....	pound.....	.092 .149		
Broilers, live.....	pound.....	.331 .366		
Eggs.....	dozen.....	.528 .689	1.11	1.14
Hogs.....	cwt.....	42.30 42.50	86.40	88.50
Lambs.....	cwt.....	69.10 66.10	122.00	127.00
Milk cows ¹⁸	head.....	990.00 1,030.00		
Milk, retail ¹⁹	quart.....	.500 .539		
Sheep.....	cwt.....	25.60 24.40	42.60	45.10
Turkeys, live.....	pound.....	.386 .409	.762	.776

¹ Marketing year average prices for crops; weighted calendar year average for livestock and livestock products, except chickens, eggs, and hogs, which are on a Nov.-Dec. marketing year basis. Unless otherwise noted, these are averages for marketing season or calendar year computed by weighing State prices by quantities sold, or by production for those commodities for which virtually all the production is sold. ² Preliminary. ³ Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. ⁴ Crop is sold during year following production. ⁵ Estimates discontinued. ⁶ Previous year. ⁷ Average local market price for wool sold excluding incentive payment. ⁸ Average local market price for mohair sold excluding incentive payment. Texas only prior to 1988. ⁹ Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. Thus the prices shown for 1988 relate to the citrus crop designated as 1988-89 in the production reports. ¹⁰ Equivalent packinghouse-door returns for California, Oregon (except peaches), Washington, and New York (apples only starting 1985), and prices as sold for other States. ¹¹ Equivalent returns at processing plant-door. ¹² Equivalent returns at packinghouse-door. ¹³ Equivalent per unit returns for bulk fruit at first delivery point. ¹⁴ Average price as sold. ¹⁵ FOB Shipping point. ¹⁶ Prices are in-shell basis except almonds which are shelled basis. ¹⁷ Includes some processing. ¹⁸ Simple average of States weighted by estimated Jan. 1 head for U.S. average. ¹⁹ Sold by farmers directly to consumers. n.a. not available.

National Agricultural Statistics Service.

Table 569.—Producer prices: Index numbers, by groups of commodities, United States, 1982-89

[1982=100]

Year	Total finished goods	Consumer foods	Finished goods ¹	Total consumer goods	Total intermediate materials	Total crude materials
1982 ²	100.0	100.0	100.0	100.0	100.0	100.0
1983.....	101.6	101.0	101.8	101.2	100.6	101.3
1984.....	103.7	105.4	103.2	102.2	103.1	103.5
1985.....	104.7	104.6	104.6	103.3	102.7	95.8
1986.....	103.2	107.3	101.9	98.5	99.1	87.7
1987.....	105.4	109.5	104.0	100.7	101.5	93.7
1988.....	108.0	112.6	106.5	106.2	107.1	96.0
1989 ³	113.6	118.7	111.8	108.9	112.0	103.1

¹ Excluding consumer foods. ² Data prior to 1982 available from Department of Labor.³ Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Labor.

Table 570.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 1975-89

[1910-14=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market ¹	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and livestock products	All farm products	Parity ratio ²
1975.....	426	400	348	899	529	313	303	458	579	391	452	567	537	235	474	463	76
1976.....	355	379	504	906	551	294	291	456	579	375	443	569	591	233	485	464	71
1977.....	275	316	511	972	652	370	362	498	658	363	433	564	594	228	481	457	66
1978.....	336	320	466	1,061	608	509	522	522	695	379	456	757	647	243	595	524	70
1979.....	403	360	490	1,145	670	534	546	548	717	333	501	937	736	252	708	602	71
1980.....	452	417	583	1,219	664	458	462	562	722	469	539	878	798	254	691	614	65
1981.....	456	446	566	1,363	718	480	478	677	887	643	580	848	842	264	688	633	60
1982.....	401	378	469	1,489	575	647	673	629	790	455	524	876	831	252	696	609	55
1983.....	407	452	531	1,505	663	475	474	649	847	445	554	831	830	270	679	615	56
1984.....	394	459	554	1,484	708	747	794	661	873	570	599	854	823	308	701	649	58
1985.....	365	385	474	1,492	546	666	693	642	807	448	519	802	779	271	654	585	52
1986.....	300	309	462	1,339	502	627	642	650	811	411	461	817	766	293	666	561	51
1987.....	282	268	503	1,255	518	669	703	719	968	458	458	921	764	244	703	578	51
1988.....	378	378	485	1,336	704	683	710	716	903	449	547	949	746	269	721	633	54
1989 ³	428	405	502	1,318	665	704	723	775	962	679	580	983	826	314	769	673	55

¹ Fresh market for noncitrus, and fresh market and processing for citrus. ² Ratio of Index of Prices Received to the Parity Index; (Index of prices paid by farmers for commodities and services, interest, taxes, and farm wage rates). ³ Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73. (See table 571 for data on 1977=100 basis.)

Table 571.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 1975-89

[1977=100]

Year	Food grains	Feed grains and hay	Cotton	Tobacco	Oil-bearing crops	Fruit	Fruit for fresh market ¹	Commercial vegetables	Commercial vegetables for fresh market	Potatoes, sweet-potatoes, and dry edible beans	All crops	Meat animals	Dairy products	Poultry and eggs	Livestock and live-stock products	All farm products	Ratio ²
1975.....	155	127	68	93	81	85	84	92	88	108	105	100	90	103	98	101	113
1976.....	129	120	99	93	85	80	80	91	88	104	102	101	100	102	101	102	107
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	122	101	91	109	93	137	144	105	106	104	105	134	109	106	124	115	106
1979.....	147	114	96	118	103	144	151	110	109	92	116	166	124	111	147	132	107
1980.....	165	132	114	125	102	124	128	113	110	129	125	156	135	112	144	134	97
1981.....	166	141	111	140	110	130	132	136	135	177	134	150	142	116	143	139	92
1982.....	146	120	92	153	88	175	186	126	120	125	121	155	140	110	145	133	84
1983.....	148	143	104	155	102	128	131	130	129	123	128	147	140	118	141	135	84
1984.....	144	145	108	153	109	202	220	133	133	157	138	151	139	135	146	142	87
1985.....	133	122	93	153	84	180	192	129	122	124	120	142	131	119	136	128	79
1986.....	109	98	91	138	77	169	177	130	123	114	107	145	129	128	138	123	77
1987.....	103	85	99	129	79	181	194	144	147	126	106	163	129	107	146	126	78
1988.....	138	120	95	138	108	184	196	144	137	124	127	168	126	118	150	138	82
1989 ³	156	128	98	136	102	190	200	156	146	187	134	174	139	138	160	147	84

¹ Fresh market for noncitrus, and fresh market and processing for citrus. ² Ratio of Index of Prices Received (1977=100) to Index of Prices Paid (1977=100). ³ Preliminary.

National Agricultural Statistics Service. These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been weighted by average quantities sold during 1971-73.

Table 572.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1975-89¹

[1977=100]

Year	Production indexes												Interest	Taxes	Wage rates ³	Production, interest, taxes, and wage rates ⁴	Commodities, interest, taxes, and wage rates ⁴
	Production (all commodities)	Feed	Feed-livestock	Seed	Fertilizer	Agricultural chemicals	Fuels and energy ²	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent ²				
1975.....	91	100	85	94	120	102	88	102	82	82	80	90	86	77	87	85	89
1976.....	97	103	97	92	102	111	93	100	91	91	92	94	92	88	94	93	95
1977.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1978.....	108	98	140	105	100	94	105	104	106	109	108	108	107	117	100	107	108
1979.....	125	110	185	110	108	96	137	115	117	122	119	118	117	143	107	117	125
1980.....	138	123	177	118	134	102	188	134	123	136	132	128	144	174	115	127	139
1981.....	148	134	164	138	144	111	213	147	143	152	146	134	157	211	123	138	151
1982.....	153	122	164	141	144	119	210	152	159	165	160	135	169	242	124	144	158
1983.....	152	134	160	141	137	125	202	152	170	174	171	138	145	250	129	148	159
1984.....	155	135	154	151	143	128	201	147	182	181	180	138	152	248	133	151	161
1985.....	151	116	154	153	135	128	201	146	193	178	183	136	150	228	136	154	162
1986.....	144	108	153	148	124	127	162	144	198	174	182	136	145	211	138	159	159
1987.....	147	103	179	148	118	124	161	145	208	174	185	137	147	189	144	166	151
1988.....	157	128	192	150	130	126	166	148	215	181	197	138	148	182	148	171	160
1989.....	165	136	194	165	137	132	181	155	223	193	208	141	158	177	152	185	167

¹ Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced. ² New index; values for years prior to 1973 are not available. ³ Simple average of seasonally adjusted quarterly indexes. ⁴ Family Living component included.

National Agricultural Statistics Service.

Table 573.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 1975-89 ¹

[1910-14=100]

Year	Family living indexes							Production indexes					
	Family living (all commodities) ²	Food	Clothing	Housing ³	Autos and auto supplies	Medical and health care ³	Education, recreation, and other ³	Production (all commodities)	Feed	Feeder livestock	Seed	Fertilizer	Agricultural chemicals
1975	533	574	682	558	595	576	474	528	399	517	582	320	443
1976	563	589	739	592	639	631	495	559	408	594	574	272	481
1977 ³	576	(*)	(*)	(*)	(*)	(*)	(*)	579	398	611	621	266	434
1978	616	(*)	(*)	(*)	(*)	(*)	(*)	628	390	853	650	265	407
1979	683	(*)	(*)	(*)	(*)	(*)	(*)	720	436	1,129	681	287	415
1980	776	(*)	(*)	(*)	(*)	(*)	(*)	798	491	1,084	736	357	443
1981	858	(*)	(*)	(*)	(*)	(*)	(*)	855	532	1,004	858	383	480
1982	914	(*)	(*)	(*)	(*)	(*)	(*)	886	484	1,002	877	384	518
1983	944	(*)	(*)	(*)	(*)	(*)	(*)	883	532	975	878	365	543
1984	985	(*)	(*)	(*)	(*)	(*)	(*)	900	539	941	939	381	556
1985	1,019	(*)	(*)	(*)	(*)	(*)	(*)	874	461	941	949	358	554
1986	1,040	(*)	(*)	(*)	(*)	(*)	(*)	835	430	934	918	329	549
1987	1,076	(*)	(*)	(*)	(*)	(*)	(*)	849	408	1,092	925	314	538
1988	1,119	(*)	(*)	(*)	(*)	(*)	(*)	908	508	1,168	931	346	549
1989	1,169	(*)	(*)	(*)	(*)	(*)	(*)	956	539	1,184	1,027	362	574

Year	Production indexes—Continued							Interest	Taxes	Wage rates ⁶	Production, interest, taxes, and wage rates	Commodities, interest, taxes, and wage rates ⁷
	Fuels and energy	Farm and motor supplies	Autos and trucks	Tractors and self-propelled machinery	Other machinery	Building and fencing	Farm services and cash rent ⁵					
1975	313	450	940	990	895	835	578	1,303	1,400	1,627	665	613
1976	331	439	1,043	1,102	1,025	871	621	1,481	1,518	1,781	709	653
1977	357	441	1,151	1,205	1,120	928	674	1,688	1,614	1,915	743	689
1978	376	458	1,218	1,315	1,211	1,001	720	1,981	1,612	2,053	806	745
1979	488	506	1,343	1,466	1,332	1,099	791	2,420	1,730	2,262	926	848
1980	672	592	1,417	1,640	1,483	1,185	970	3,021	1,859	2,421	1,030	949
1981	762	647	1,650	1,831	1,637	1,241	1,059	3,578	1,988	2,626	1,118	1,035
1982	750	671	1,834	1,982	1,789	1,254	1,141	4,101	1,998	2,760	1,172	1,090
1983	722	668	1,957	2,100	1,913	1,281	980	4,232	2,085	2,836	1,176	1,104
1984	718	649	2,097	2,179	2,010	1,275	1,025	4,199	2,142	2,872	1,195	1,129
1985	718	645	2,219	2,142	2,051	1,263	1,014	3,866	2,190	2,934	1,159	1,117
1986	578	637	2,273	2,095	2,035	1,259	980	3,573	2,223	3,049	1,113	1,093
1987	576	631	2,392	2,098	2,097	1,261	993	3,200	2,324	3,203	1,130	1,110
1988	592	651	2,472	2,175	2,220	1,282	995	3,082	2,386	3,267	1,188	1,167
1989	641	681	2,567	2,320	2,328	1,306	1,063	2,997	2,449	3,538	1,237	1,220

¹ Index values for 1973 through 1975 were revised and published in May 1976 using 1971-73 weights. Indexes were reordered and several new indexes introduced. ² Beginning 1977, based on Consumer Price Index-Urban of Bureau of Labor Statistics. ³ Based on Consumer Price Indexes of Bureau of Labor Statistics. ⁴ Discontinued. ⁵ New index, values for years prior to 1973 are not available. ⁶ Simple average of seasonally adjusted quarterly indexes.

⁷ The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910-14=100 base.

National Agricultural Statistics Service.

Table 574.—Prices paid by farmers: Prices, by commodities, United States, 1985–89 ^{1 2}

Commodity and unit	1985	1986	1987	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Building materials:					
Framing lumber, 2 by 4 inches, per 1,000 board feet:					
Pine, Standard and better.....	347.00	350.00	369.00	366.00	364.00
Fir, Standard and better.....	376.00	382.00	392.00	394.00	402.00
Boards, per 1,000 board feet:					
Rough, for farm fences and construction.....	492.00	489.00	499.00	511.00	520.00
Dressed, 1-inch, pine S4S, standard and better or No. 2 and better ³	646.00	653.00	674.00	702.00	722.00
Nails, 8d, common, per pound.....	.647	.643	.650	.660	.665
Roofing, galvanized steel, per 100 square feet.....	41.50	41.20	41.40	42.70	43.90
Shingles, fiberglass, per square.....	26.70	25.30	24.00	23.40	23.70
Insulating sheathing, (asphalt-treated) regular density, ½-inch, per sheet 4 feet by 8 feet.....	5.21	5.40	5.44	5.44	5.40
Concrete blocks, per 100.....	92.50	94.70	96.30	99.10	99.80
Portland cement, per 94 pounds.....	6.19	6.25	6.29	6.36	6.43
Paint, house, exterior, latex per gallon ⁴	16.10	16.10	15.80	16.00	16.40
Barbed wire, 2-point, per 80-rod spool.....	34.70	34.70	33.70	33.80	34.20
Barbed wire, 4-point, per 80-rod spool.....	37.60	37.50	36.60	36.90	37.50
Posts, wood, farm line fence, each.....	.354	.344	3.48	3.57	3.60
Posts, steel, each.....	2.73	2.60	2.50	2.46	2.57
Staples, fence, per pound.....	.709	.707	.716	.727	.744
Woven wire fencing, 32-inch, per 20-rod roll.....	75.40	74.30	72.20	71.60	73.00
Iron pipe, galvanized, 1¼-inch, I.D., per foot.....	1.96	1.90	1.98	2.03	2.08
Plastic tubing, 1-inch, I.D., per foot.....	.250	.246	.262	.316	.315
Fuels and energy:					
Fuel, per gallon:					
Diesel fuel.....	.967	.707	.712	.729	.761
Gasoline, service station, unleaded regular.....	1.20	.930	.940	.941	1.04
Gasoline, bulk delivery, leaded regular.....	1.15	.894	.919	.927	1.05
L. P. gas, bulk delivery.....	.726	.670	.592	.586	.583
Electricity, per kilowatt hour.....	.717	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Motor supplies:					
Grease, 35 lb. pail.....	31.80	31.90	31.60	31.60	32.10
Motor oil, per gallon:					
All weather, high detergent.....	4.99	4.96	4.83	4.86	4.96
Heavy duty, detergent.....	4.68	4.68	4.63	4.65	4.73
Regular, nondetergent.....	4.29	4.31	4.33	4.33	4.43
Spark plugs, each.....	1.79	1.73	1.77	1.80	1.87
Storage batteries, CPR 220–310 amps, each.....	48.00	47.10	47.80	49.00	48.80
Tires:					
Auto tires, bias-belted const., E78–14, tubeless each ⁵	43.50	42.60	41.50	41.60	43.20
Auto tires, radial, steel-belted, P/195/75R14/ER78–14 tubeless, each ⁶	58.70	56.30	54.20	53.40	54.30
Truck tires, 10.00–20, load range F, each.....	200.00	206.00	201.00	200.00	208.00
Tractor tires, rear, 15.5–38, 6-ply, each.....	291.00	285.00	280.00	288.00	303.00
Tractor tires, rear, 18.4–34, 6-ply, each.....	406.00	406.00	398.00	404.00	430.00
New motor vehicles:					
Autos, 4-door sedans:					
Compact ⁷	8,870.00	9,240.00	9,750.00	9,970.00	10,220.00
Intermediate size ⁸	10,750.00	11,500.00	12,300.00	12,800.00	13,350.00
Standard ⁹	13,480.00	14,300.00	15,100.00	15,800.00	16,800.00
New trucks:					
2-ton, cab and chassis, each ¹⁰	19,170.00	18,300.00	20,400.00	20,200.00	20,480.00
¾-ton pickup ¹¹	11,150.00	11,700.00	12,400.00	12,850.00	13,500.00
Tractors:					
2-wheel, 30–39 P.T.O. or belt horsepower.....	11,260.00	10,800.00	11,100.00	11,450.00	12,050.00
2-wheel, 50–59 P.T.O. or belt horsepower.....	16,900.00	16,660.00	16,600.00	17,000.00	17,350.00
2-wheel, 110–129 P.T.O. or belt horsepower.....	40,100.00	38,700.00	38,900.00	40,100.00	43,050.00
4-wheel, 170–240 P.T.O. or belt horsepower.....	78,600.00	77,100.00	74,700.00	75,820.00	78,920.00

See footnotes at end of table.

Table 574.—Prices paid by farmers: Prices, by commodities, United States, 1985-89 ^{1 2}—
Continued

Commodity and unit	1985	1986	1987	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Farm machinery:					
Plows, moldboard, 3-bottom, each	2,620.00	2,600.00	2,610.00	2,750.00	3,080.00
Plows, moldboard, 5-bottom, each	6,730.00	6,790.00	6,590.00	7,180.00	7,640.00
Plows, moldboard, 7-bottom, each	9,860.00	9,750.00	9,750.00	10,230.00	10,930.00
Disk harrows, tandem, 16-ft., each	7,970.00	7,800.00	7,600.00	8,010.00	8,730.00
Disk harrows, tandem, 19-ft., each	10,480.00	10,100.00	9,800.00	10,520.00	11,570.00
Cultivators, 4-row, front or rear mounted, each	2,500.00	2,520.00	2,510.00	2,750.00	2,960.00
Corn planters, 4-row, plain, each	7,020.00	7,040.00	7,390.00	7,960.00	8,310.00
Grain drills, tractor-drawn, 16-tube, plain, each	5,460.00	5,630.00	5,750.00	5,990.00	6,260.00
Grain drills, tractor-drawn, 13-tube, with fertilizer attachment, each	5,560.00	5,520.00	5,730.00	6,030.00	6,120.00
Mowers, tractor, 7-ft., each	2,480.00	2,530.00	2,640.00	2,800.00	3,010.00
Pick-up balers, automatic tie, P.T.O., each ¹²	9,200.00	9,420.00	9,840.00	10,290.00	10,700.00
Combines, self-propelled:					
Medium capacity, each	62,550.00	62,000.00	63,500.00	66,970.00	73,620.00
Large capacity, each	86,850.00	85,100.00	83,800.00	87,700.00	93,650.00
Corn picker-huskers, 2-row, each	13,800.00	13,700.00	13,400.00	12,900.00	13,370.00
Farm wagons, without box and tires, each	1,060.00	1,060.00	1,070.00	1,140.00	1,190.00
Power sprayers, boom type, tr. mtd., each	1,990.00	2,080.00	2,270.00	2,520.00	2,720.00
Farm supplies:					
Electric motors, ½-horsepower, each	76.90	79.00	82.90	80.50	82.70
Hammers, nail, 16 oz. head, with handle, each	13.20	12.50	12.50	12.40	13.00
Pitchfork, 4-tine, each	21.00	20.90	20.20	20.60	22.30
Hoes, 6-inch blade, each ¹³	11.00	11.00	10.30	10.50	10.80
Metal pails, 12 quarts, each ¹⁴	5.01	5.30	5.75	5.74	5.85
Rope, polypropylene, ½-inch, per 100 feet ¹⁵	19.10	19.40	20.40	20.40	20.80
Baler twine, per 40-pound bale	19.00	18.80	18.40	19.90	21.70
New baskets, round stave, bushel, with cover, per dozen	20.20	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Farm services:					
Telephone, per month	16.40	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Fertilizer:					
Mixed fertilizer:					
0-20-20, per ton	160.00	153.00	156.00	177.00	179.00
3-9-9, per ton	173.00	168.00	159.00	158.00	156.00
4-8-12, per ton	167.00	167.00	158.00	165.00	173.00
5-10-10, per ton	138.00	129.00	128.00	138.00	144.00
5-10-15, per ton	149.00	141.00	139.00	150.00	153.00
5-20-20, per ton	168.00	157.00	158.00	176.00	182.00
6-24-24, per ton	191.00	177.00	177.00	202.00	210.00
10-10-10, per ton	155.00	145.00	142.00	151.00	162.00
12-12-12, per ton	180.00	174.00	170.00	178.00	184.00
16-20-0, ammonium phosphate, per ton	219.00	213.00	207.00	215.00	222.00
18-46-0, per ton	239.00	219.00	219.00	245.00	244.00
Nitrate of soda, per ton	200.00	201.00	203.00	204.00	207.00
Sulphate of ammonia, per ton	153.00	150.00	145.00	142.00	152.00
Ammonium nitrate, per ton	189.00	172.00	158.00	164.00	182.00
Superphosphate, 44-46% P ₂ O ₅ , per ton	202.00	189.00	194.00	218.00	221.00
Muriate of potash, 60% K ₂ O, per ton	125.00	110.00	118.00	152.00	159.00
Agricultural limestone, spread on field, per ton	16.00	16.00	16.50	16.30	15.90
Livestock:					
Feeders and stockers:					
Cattle and calves, per 100 pounds	59.50	58.60	70.40	78.00	79.20
Pigs (40-60 lbs. av.), per 100 pounds	83.80	96.60	104.00	77.00	69.80
Broiler chicks, per 100	17.50	17.30	18.60	17.00	17.50
Egg-type chicks, per 100	50.80	52.00	51.10	50.70	49.60
Turkey poults, each .....	.957	.951	.929	.939	.976

See footnotes at end of table.

Table 574.—Prices paid by farmers: Prices, by commodities, United States, 1985-89 ^{1 2} —
Continued

Commodity and unit	1985	1986	1987	1988	1989
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Feed:					
Cottonseed meal, 41% protein, per 100 pounds.....	11.50	11.90	12.80	14.80	15.40
Soybean meal, 44% protein, per 100 pounds.....	10.30	11.40	11.90	15.70	15.60
Bran, per 100 pounds.....	9.50	9.19	8.79	9.88	10.90
Middlings, per 100 pounds.....	8.79	8.25	7.61	8.90	10.20
Cornmeal, per 100 pounds.....	7.29	6.57	6.03	6.90	7.38
Laying feed, per ton ¹⁷	182.00	174.00	169.00	203.00	209.00
Broiler grower, per ton ¹⁷	197.00	186.00	186.00	220.00	236.00
Chick starter, per ton ¹⁷	199.00	187.00	191.00	228.00	240.00
Dairy feed:					
14 percent protein, per ton.....	160.00	151.00	143.00	169.00	176.00
16 percent protein, per ton.....	168.00	160.00	154.00	182.00	189.00
18 percent protein, per ton.....	171.00	170.00	163.00	195.00	200.00
20 percent protein, per ton.....	172.00	173.00	166.00	201.00	203.00
32 percent protein, per ton.....	227.00	242.00	248.00	301.00	309.00
Stock salt, per 50 pounds.....	3.25	3.26	3.29	3.33	3.39
Seeds:					
Barley, per bushel.....	6.03	5.30	4.56	4.55	5.58
Corn, hybrid, per bushel.....	71.80	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Corn, hybrid, 80,000 kernels.....	67.30	66.00	65.10	64.40	69.60
Oats, per bushel.....	4.73	3.96	3.90	4.28	5.51
Potatoes, per 100 pounds.....	8.06	6.98	7.62	7.33	9.73
Rye, per bushel.....	6.80	(¹⁶)	(¹⁶)	(¹⁶)	(¹⁶)
Soybeans, per bushel.....	11.90	11.10	11.20	11.80	14.00
Wheat, per bushel.....	6.78	6.25	5.66	5.81	6.50
Grain sorghum, hybrid, per 100 pounds.....	66.10	67.10	64.50	65.20	68.50
Alfalfa, uncertified, per 100 pounds.....	156.00	167.00	172.00	194.00	195.00
Alfalfa, certified, per 100 pounds.....	224.00	221.00	221.00	260.00	269.00
Red clover, per 100 pounds.....	128.00	131.00	153.00	147.00	143.00
Lespedeza, Korean, per 100 pounds.....	115.00	92.50	72.20	67.60	67.40
Sudangrass, per 100 pounds.....	43.50	44.40	44.30	42.50	44.50
Timothy, per 100 pounds.....	63.30	74.70	99.80	126.00	132.00

¹ Prices paid by farmers are collected, for the most part, from retail establishments located in small cities and towns in rural areas. ² Family living surveys for food, clothing, and household furnishings were discontinued in 1977. ³ Pine added to description in 1980. ⁴ Latex added to description in 1980. ⁵ G78-15 prior to 1981.

⁶ 205-15, GR78-15 prior to 1980. ⁷ Chevrolet Cavalier, Ford Tempo, Plymouth Acclaim, or comparable models. ⁸ Chevrolet Celebrity, Ford Taurus, or comparable models. ⁹ Chevrolet Caprice, Ford Crown Victoria, Buick LeSabre Limited, or comparable models. ¹⁰ Coverage includes Ford and Chevrolet. ¹¹ Coverage includes Ford, Chevrolet, and Dodge. ¹² Conventional size bales, under 200 lbs., added in 1976. ¹³ Beginning Feb. 1985, changed to 6-inch blade. ¹⁴ Prior to 1980, "Milk Pails." ¹⁵ Prior to 1980, "manila rope, ½ in., per 100 ft."

¹⁶ Discontinued. ¹⁷ Specifications call for "complete feed."

National Agricultural Statistics Service.

Table 575.—Farm income: Cash receipts from farm marketings, by commodities or commodity groups, United States, 1975–89

Year	Cattle and calves	Hogs	Sheep and lambs	Dairy products	Chicken eggs	Broilers	Turkeys	Other poultry ¹	Other livestock and products ²	Total livestock and products ³
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1975.....	17,520	7,916	386	9,923	2,814	2,953	794	250	534	43,089
1976.....	19,294	7,488	393	11,428	3,135	2,918	825	277	565	46,323
1977.....	20,225	7,281	386	11,752	2,919	3,103	910	280	778	47,635
1978.....	28,248	8,754	453	12,724	2,939	3,715	1,156	300	873	59,162
1979.....	35,025	9,058	470	14,642	3,329	4,026	1,216	352	1,117	69,236
1980.....	31,819	8,943	471	16,365	3,247	4,303	1,273	337	1,233	67,991
1981.....	29,538	9,794	416	18,095	3,648	4,646	1,248	407	1,358	69,151
1982.....	29,813	10,659	445	18,234	3,439	4,461	1,255	365	1,588	70,258
1983.....	28,681	9,790	423	18,748	3,451	4,873	1,269	388	1,804	69,606
1984.....	30,589	9,701	460	17,931	4,110	6,020	1,655	459	1,968	72,895
1985.....	29,002	9,033	514	18,055	3,262	5,668	1,820	458	2,008	69,822
1986.....	28,865	9,734	481	17,724	3,543	6,784	1,949	425	2,034	71,539
1987.....	33,583	10,337	558	17,727	3,209	6,178	1,703	426	2,288	76,010
1988.....	36,201	9,207	476	17,641	3,067	7,435	1,951	413	2,429	78,821
1989 ⁴	36,676	9,426	489	19,401	3,854	8,780	2,222	490	2,386	83,724

Year	Food grains	Feed crops	Cotton (lint and seed)	Oil-bearing crops	Tobacco	Fruits and tree nuts ⁵	Vegetables ⁶	Other crops ⁷	Total crops ³
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1975.....	8,195	12,183	2,311	7,480	2,155	3,563	5,346	4,579	45,813
1976.....	7,112	13,127	3,477	9,443	2,310	3,714	5,231	4,619	49,032
1977.....	6,055	11,906	3,470	9,722	2,331	4,603	5,609	4,903	48,600
1978.....	5,839	11,427	3,538	13,023	2,604	5,764	6,127	4,876	53,198
1979.....	9,047	14,040	4,330	14,300	2,271	6,462	6,480	5,363	62,293
1980.....	10,402	18,308	4,447	15,493	2,672	6,557	7,307	6,560	71,746
1981.....	11,619	17,770	4,055	13,853	3,250	6,603	8,772	6,543	72,465
1982.....	11,412	17,409	4,457	13,817	3,340	6,804	8,076	6,990	72,303
1983.....	9,713	15,559	3,705	13,546	2,752	6,056	8,472	7,362	67,165
1984.....	9,731	16,138	3,674	13,641	2,813	6,734	9,152	8,008	69,889
1985.....	8,990	22,591	3,687	12,475	2,699	6,946	8,572	8,333	74,293
1986.....	5,741	16,912	3,371	10,641	1,921	7,248	8,849	9,002	63,658
1987.....	5,780	14,543	4,189	11,294	1,826	8,058	9,889	10,064	65,643
1988.....	7,464	14,305	4,546	13,537	1,960	9,139	9,754	10,665	71,372
1989 ⁴	8,073	16,656	4,740	12,172	2,381	9,020	11,340	11,068	75,449

¹ Farm chickens, ducks, geese, guineas, pigeons, quail, pheasants, and turkey hatching eggs. ² Wool, horses and mules, mohair, honey, beeswax, bees, goats, rabbits, and fur animals. ³ Components may not add due to rounding. ⁴ Preliminary. ⁵ Includes melons, 1945–48. ⁶ Includes melons, 1949 to date. ⁷ Sugar crops, floriculture and ornamentals, forest products, mushrooms, legume and grass seeds, hops, mint, broomcorn, popcorn, hemp fiber and seed, and flax fiber.

Economic Research Service.

Table 576.—Agricultural commodity support prices

Commodity and unit	1975 ²	1976 ³	1977 ³	1978 ³	1979 ³	1980 ³
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
MANDATORY ⁴						
Basic commodities:						
Corn:						
Support level..... bushel.....	1.38	1.57	2.00	2.10	2.20	2.35
Loan rate..... do.....	1.10	1.50	2.00	2.00	2.10	2.25
Cotton:						
American upland: ⁵						
Support level..... pound.....	.3800	.4320	.4780	.5200	.5770	.5840
Loan rate..... do.....	.3612	.3892	.4463	.4800	.5023	.4800
Extra-long staple:						
Support level..... do.....	.7410	.7475	.7670	.8320	.9295	.9350
Loan rate..... do.....	.6774	.7324	.7670	.8320	.9295	.9350
Peanuts..... do.....	.1972	.2070	.2153	⁶ .2100	⁶ .2100	⁶ .2275
Rice:						
Support level..... cwt.....		8.25	8.25	8.53	9.05	9.49
Loan rate..... cwt.....	8.52	6.19	6.19	6.40	6.79	7.12
Wheat:						
Support level..... bushel.....	2.05	2.29	⁷ 2.90	3.40	3.40	3.63
Loan rate..... do.....	1.37	2.25	2.25	2.35	2.50	3.00
Tobacco:						
Flue-cured, types 11-14..... pound.....	.932	1.060	1.138	1.210	1.293	1.415
Fire-cured, type 21..... do.....	.652	.741	.795	.846	.903	.989
Fire-cured, types 22-23..... do.....						
Burley, type 31..... do.....	.961	1.092	1.173	1.247	1.333	1.459
Dark air-cured, types 35-36..... do.....	.580	.659	.707	.752	.804	.880
Virginia sun-cured, type 37..... do.....	.580	.659	.707	.752	.804	.880
Cigar filler, Puerto Rican, type 46..... do.....	.499	.567	.609	.647	.692	.757
Cigar binder, types 51-52..... do.....	.665	.756	.812	.863	.923	1.010
Ohio filler and Wisconsin binder types 42-44 and 53-55..... do.....	.480	.546	.586	.623	.667	.729
Nonbasic commodities:						
Milk for manufacturing..... cwt.....	7.24	8.13	9.00	9.87	11.49	13.10
Honey, extracted..... pound.....	.255	.294	.327	.368	.439	.503
Mohair..... do.....	.802	.802	1.498	1.647	1.943	2.903
Tung nuts..... ton.....	79.95	80.00				
Wool..... pound.....	.72	.72	.99	1.08	1.15	1.23
Barley: ⁸						
Support level..... bushel.....	1.13	1.28	2.15	2.25	2.40	2.55
Loan rate..... do.....	.90	1.22	1.63	1.63	1.71	1.83
Sorghum grain: ⁸						
Support level..... cwt.....	2.34	2.66	4.07	4.07	4.18	4.46
Loan rate..... cwt.....	1.88	2.55	3.39	3.39	3.57	3.82
Oats: ⁸						
Support level..... bushel.....						
Loan rate..... do.....	.54	.72	1.03	1.03	1.08	1.16
Rye ⁸	.89	1.20	1.70	1.70	1.79	1.91
NONMANDATORY						
Nonbasic commodities:						
Beans, dry edible..... cwt.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Cottonseed ¹⁰ ton.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Flaxseed..... bushel.....	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Soybeans..... do.....	(⁹)	2.50	3.50	4.50	4.50	5.02
Sugar, raw..... pound.....			.1350	.1473	.1300	(⁹)

¹ National averages during the marketing years for the individual crops, beginning in the years shown.

² Support level represents the average loan rate plus any direct price-support payment (or in the case of wheat the value of the domestic marketing certificate) received by participants in the program for the commodity. The basis of such payments varies among the crops and from year to year.

³ Support level for 1975 through 1987 represents the statutory established price (the so-called target price) except for extra-long staple cotton which began in 1984.

⁴ Commodities grouped under "Mandatory" are those which the Commodity Credit Corporation is required by law to support.

⁵ 1½% strict low middling, micronaire 3.5 through 4.9.

per unit, United States, 1975-90 ¹

1981 ^a	1982 ^a	1983 ^a	1984 ^a	1985 ^a	1986 ^a	1987 ^a	1988 ^a	1989 ^a	1990 ^a
Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
2.40	2.70	2.86	3.03	3.03	3.03	3.03	2.93	2.84	2.75
2.40	2.55	2.65	2.55	2.55	1.92	1.82	1.77	1.65	1.57
.7087	.7100	.7600	.8100	.8100	.8100	.7940	.7590	73.40	72.90
.5246	.5708	.5500	.5500	.5730	.5500	.5225	.5180	50.00	50.27
.9900	.9989	.9625	.9900	1.0314	1.0248	.9770	.9570	.9670	.9810
.9900	.9989	.9625	.8250	.8595	.8540	.8140	.8092	.8177	.8177
*.2275	*.2750	*.2750	*.2750	*.2795	*.3037	*.3037	*.3076	*.3079	*.3157
10.68	10.85	11.40	11.90	11.90	11.90	11.66	11.15	10.80	10.71
8.01	8.14	8.14	8.00	8.00	7.20	6.84	6.63	6.50	6.50
3.81	4.05	4.30	4.38	4.38	4.38	4.38	4.23	4.10	4.00
3.20	3.55	3.65	3.30	3.30	2.40	2.28	2.21	2.06	1.95
1.587	1.699	1.699	1.699	1.699	1.438	1.435	1.442	1.468	1.488
1.110	1.188	1.188	1.188	1.188	1.200	1.196	1.171	1.191	1.262
	¹¹ 1.230	1.230	1.230	1.230	1.242	1.238	1.213	1.226	1.297
1.636	1.751	1.751	1.751	1.488	1.488	1.488	1.500	1.532	1.558
.987	1.057	1.057	1.057	1.047	1.058	1.054	1.032	1.044	1.107
.987	1.094	1.094	1.094	1.094	1.060	1.056	1.034	1.052	1.115
.849	.909	.909	.740	.740	.750	.747	.731	.740	.778
1.133	1.212	1.212	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
.818	.907	.907	.907	.907	.877	.914	.895	.909	.962
13.10	13.10	13.10	12.60	11.60	11.60	11.10	10.60	10.60	10.10
.574	.604	.622	.658	.653	.640	¹² .610	.591	.5636	.5377
3.718	3.977	4.627	5.169	4.430	4.930	4.950	4.690	4.588	4.532
1.35	1.37	1.53	1.65	1.65	1.78	1.81	1.78	1.77	1.82
2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.51	2.43	2.36
1.95	2.08	2.16	2.08	2.08	1.56	1.49	1.44	1.34	1.28
4.55	4.64	4.86	5.14	5.14	5.14	5.14	4.96	4.82	4.66
4.07	4.32	4.50	4.32	4.32	3.25	3.11	3.00	2.80	2.66
	⁸ 1.50	1.60	1.60	1.60	1.60	1.60	1.55	1.50	1.45
1.24	1.31	1.36	1.31	1.31	.99	.94	.90	.85	.81
2.04	2.17	2.25	2.17	2.17	1.63	1.55	1.50	1.40	1.33
(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
5.02	5.02	5.02	5.02	5.02	4.77	4.77	4.77	4.53	4.50
(⁹)	.1700	.1750	.1775	.1800	.1800	.1800	.1800	.1800	.1800

^a For quota portion of crop. ⁷ Target level for wheat planted within allotment was \$2.90; target level of \$2.47 for unplanted allotment acreage. ⁸ Grade No. 2 or better except for oats which is Grade No. 3. Oats target or price support level began in 1982. ⁹ No support program. ¹⁰ For ginners purchases from producers, basis Grade 100, plus appropriate differentials to reflect ginners' normal handling costs. ¹¹ Beginning 1982 Fire cured types 22-23. ¹² Loan rate was reduced from 63 to 61 cents per pound on December 23, 1987, because of the Omnibus Budget Reconciliation Act of 1987. n.a. not available.

Agricultural Stabilization and Conservation Service.

Table 577.—Farm income: Gross and net income from farming, United States, 1975–89

Year	Gross income							Production expenses	Net income of farm operators		
	Cash receipts			Nonmoney and other farm income					Total	Current dollars	1982 dollars
	Farm market-ings ¹	Government pay-ments	Total	Home con-sumption	Imputed rent	Other farm income ²	Change in inven-tory				
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	
1975	88,902	807	89,709	1,129	5,355	998	3,399	100,590	75,043	43,081	
1976	95,355	734	96,089	1,182	6,115	1,079	-1,548	102,917	82,741	20,175	
1977	96,235	1,818	98,053	1,161	7,250	1,222	1,080	108,766	88,884	23,975	
1978	112,360	3,030	115,390	1,215	8,057	1,893	1,892	128,447	103,250	34,689	
1979	131,529	1,376	132,905	1,346	9,256	2,238	4,975	150,720	123,304	34,990	
1980	137,737	1,285	141,022	1,233	11,045	2,274	6,300	149,274	133,139	34,897	
1981	141,616	1,933	143,549	1,214	12,597	2,475	6,488	166,323	139,444	26,879	
1982	142,562	3,492	146,054	1,129	13,121	4,552	1,382	172,420	163,474	23,519	
1983	136,770	9,296	146,066	1,049	12,468	4,486	-10,909	153,160	137,897	14,690	
1984	142,784	8,431	151,215	1,017	7,644	4,316	5,966	170,159	143,819	24,457	
1985	144,114	7,705	151,819	926	7,096	4,340	-2,269	162,912	131,926	27,940	
1986	135,197	11,814	147,011	878	6,033	4,980	-2,773	156,524	125,503	31,020	
1987	141,653	16,747	158,400	826	6,633	5,887	-2,773	168,973	127,693	35,162	
1988	150,192	14,480	164,672	810	6,718	5,716	-4,078	173,838	132,062	34,440	
1989 ³	159,173	10,887	170,060	748	6,570	7,397	4,444	189,219	142,567	36,938	

¹ Excludes forest product sales starting with 1978 data. ² Includes forest product sales starting with 1978 data. ³ Preliminary. Economic Research Service.

Table 578.—Farm income: Cash receipts from farming and value of home consumption, by States, 1989 (preliminary)

State	Cash receipts from farming					Value of home consumption ¹			Cash receipts from farming and value of home consumption
	Farm marketings			Government payment	Total	Live-stock and products	Crops	Total	
	Livestock and products	Crops	Total						
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	1,932,164	695,506	2,627,670	120,859	2,748,529	6,925	3,033	9,958	2,758,487
AK.....	8,815	19,817	28,632	1,143	29,775	756	39	789	30,564
AZ.....	744,199	1,158,261	1,902,460	85,106	1,987,566	3,948	523	4,471	1,992,037
AR.....	2,660,866	1,470,176	4,131,042	439,675	4,570,717	7,157	3,162	10,319	4,581,036
CA.....	5,092,749	12,422,046	17,514,795	372,090	17,886,885	8,325	5,421	13,746	17,900,631
CO.....	2,649,057	1,249,557	3,898,614	183,442	4,082,056	7,918	1,743	9,661	4,091,717
CT.....	186,300	218,060	404,360	2,200	406,560	1,038	258	1,296	407,856
DE.....	502,949	159,619	662,568	4,818	667,386	1,727	194	1,921	669,307
FL.....	1,220,600	4,982,354	6,202,954	38,323	6,241,277	2,561	2,646	5,207	6,246,484
GA.....	2,270,390	1,598,141	3,868,531	173,058	4,041,589	6,664	3,098	9,762	4,051,351
HI.....	91,952	494,982	586,934	267	587,201	1,179	300	2,618	589,891
ID.....	1,045,510	1,669,802	2,715,312	99,089	2,814,401	8,997	1,439	14,547	2,828,948
IL.....	2,251,972	4,458,464	6,710,436	725,941	7,436,377	28,189	5,550	32,771	7,469,148
IN.....	1,816,909	2,501,584	4,318,493	333,691	4,652,184	12,043	4,582	18,819	4,671,003
IA.....	5,208,680	3,910,522	9,119,202	981,206	10,100,408	17,027	6,776	21,480	10,121,888
KS.....	4,245,311	2,078,981	6,324,292	588,446	6,912,738	11,212	4,453	17,890	6,930,628
KY.....	1,670,320	1,257,742	2,928,062	118,423	3,046,485	18,894	6,196	21,153	3,067,638
LA.....	613,743	1,047,694	1,661,437	249,758	1,911,195	7,243	2,259	8,157	1,919,352
ME.....	214,641	232,742	447,383	7,143	454,526	2,462	471	3,469	457,995
MD.....	869,861	476,367	1,346,228	23,735	1,369,963	5,339	1,007	5,784	1,375,747
MA.....	112,113	316,779	428,892	3,863	432,755	1,256	445	4,806	437,561
MI.....	1,312,938	1,627,449	2,940,387	261,971	3,202,358	11,624	3,550	17,432	3,219,790
MN.....	3,716,461	2,809,080	6,525,541	599,852	7,125,393	23,136	5,808	25,782	7,151,175
MS.....	1,291,738	1,000,023	2,291,761	325,161	2,616,922	5,906	2,646	12,876	2,629,798
MO.....	2,168,425	1,732,009	3,900,434	356,391	4,256,825	24,141	6,970	25,735	4,282,560
MT.....	899,254	710,482	1,609,736	289,382	1,899,118	10,024	1,594	13,703	1,912,821
NE.....	5,642,638	2,878,449	8,521,087	542,306	9,063,393	11,522	3,679	11,683	9,075,076
NV.....	141,054	94,055	235,109	6,301	241,410	4,041	161	4,248	245,658
NH.....	63,337	78,748	142,085	2,302	144,387	1,346	207	1,852	146,269
NJ.....	197,309	462,769	660,078	21,483	681,561	1,005	536	1,909	683,470
NM.....	974,096	449,663	1,423,759	64,675	1,488,434	7,240	904	9,757	1,498,191
NY.....	1,945,518	911,132	2,856,650	76,025	2,932,675	8,566	2,517	12,761	2,945,436
NC.....	2,504,524	2,046,063	4,550,587	93,917	4,644,504	15,195	4,195	17,357	4,661,861
ND.....	642,148	1,465,427	2,107,575	474,846	2,582,421	7,320	2,162	12,935	2,595,356
OH.....	1,697,738	2,114,380	3,812,118	274,003	4,086,121	22,963	5,615	27,416	4,113,537
OK.....	2,408,984	1,185,277	3,594,261	234,817	3,829,078	17,856	4,453	20,244	3,849,322
OR.....	739,475	1,557,620	2,297,095	60,384	2,357,479	20,132	2,388	23,617	2,381,096
PA.....	2,595,377	985,791	3,581,168	68,396	3,649,564	23,390	3,485	23,440	3,673,004
RI.....	12,872	66,150	79,022	90	79,112	126	50	1,772	80,884
SC.....	550,920	674,571	1,225,491	72,696	1,298,187	5,709	1,646	7,968	1,306,155
SD.....	2,108,118	883,954	2,992,072	340,262	3,332,334	14,302	2,259	20,175	3,352,509
TN.....	1,059,922	860,628	1,920,550	141,049	2,061,599	17,314	5,873	29,318	2,090,917
TX.....	6,863,404	3,897,010	10,760,414	1,248,713	12,009,127	33,213	12,004	34,052	12,043,179
UT.....	574,255	173,933	748,188	34,536	782,724	6,031	839	6,489	789,213
VT.....	374,536	51,005	425,541	7,064	432,605	3,475	458	6,508	439,113
VA.....	1,372,397	685,423	2,057,820	38,599	2,096,419	16,280	3,033	18,732	2,115,151
WA.....	1,201,154	2,437,817	3,638,971	131,132	3,770,103	3,559	2,452	4,914	3,775,017
WV.....	249,846	64,115	313,961	11,599	325,560	5,577	1,355	10,805	336,365
WY.....	4,337,423	940,548	5,277,971	522,332	5,800,303	19,838	5,228	20,412	5,820,715
WY.....	669,217	186,353	855,570	34,142	889,712	4,045	574	4,345	894,057
US.....	83,724,179	75,449,120	159,173,299	10,886,702	170,060,001	505,736	140,236	646,891	170,706,892

¹ Value of farm products consumed directly in farm households where produced.
Economic Research Service.

Table 579.—Expenses: Farm production expenses, United States, 1975-89

Year	Feed purchased	Livestock and poultry purchased	Seed purchased ¹	Fertilizer, lime, and pesticides	Petroleum fuel and oils ²	Depreciation and other consumption of farm capital ³	Contract and hired labor ⁴	Taxes on farm property ⁵	Interest on farm mortgage debt ⁶	Net rent to non-operator landlords ⁷	Miscellaneous ⁸	Total production expenses
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1975...	12,907	4,954	2,138	8,443	3,318	12,354	6,586	3,193	3,317	4,024	13,809	75,043
1976...	14,370	5,884	2,366	8,576	3,966	13,778	7,509	3,491	3,785	3,465	15,551	82,741
1977...	13,967	7,072	2,484	8,467	4,356	15,493	7,953	3,660	4,329	3,412	17,691	88,885
1978...	16,036	10,150	2,638	9,276	4,609	16,963	8,279	3,603	5,060	3,963	22,672	103,249
1979...	19,314	13,012	2,904	10,805	5,635	19,345	8,981	3,871	6,190	6,182	27,066	123,305
1980...	20,971	10,670	3,220	13,030	7,879	21,474	9,293	3,891	7,544	6,075	29,092	133,139
1981...	20,855	8,999	3,425	13,610	8,570	23,573	8,931	4,246	9,142	6,184	31,906	139,444
1982...	18,592	9,684	3,172	12,900	7,734	24,287	10,075	4,050	10,481	6,174	33,405	139,954
1983...	20,371	8,818	2,690	10,829	7,211	23,573	9,725	4,123	10,815	5,110	34,332	137,897
1984...	20,239	9,486	3,386	13,262	7,296	21,623	9,729	4,186	10,733	8,978	34,901	143,819
1985...	17,247	9,184	3,123	11,840	6,436	19,648	9,799	4,484	9,878	8,435	32,147	131,926
1986...	17,875	9,758	3,188	11,137	5,310	17,709	9,890	4,549	9,131	6,951	30,005	125,503
1987...	17,958	11,842	3,259	10,965	4,957	16,475	10,821	4,982	8,187	6,964	31,283	127,693
1988...	20,620	12,812	3,263	11,218	4,921	16,716	11,202	5,090	7,885	7,014	31,317	132,063
1989...	22,722	12,983	3,733	13,275	5,321	17,310	11,887	5,323	7,643	8,181	34,183	142,566

¹ Includes bulbs, plants, and trees. ² For farm business use only. ³ Estimated outlay necessary, at current prices, for the replacement of capital equipment that has been used up during the year. ⁴ Includes contract labor expenses and hired labor cash wages, perquisites, and Social Security taxes paid by employers. ⁵ Includes taxes levied against farm real estate and farm personal property. ⁶ Interest charges payable during the calendar year on outstanding farm-mortgage debt. ⁷ Different data sources were used for the three time periods 1978 and previous years, 1979-1983, and 1984-1985. Estimates are not strictly compatible among the three periods. ⁸ For 1978 and later years, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; marketing, storage and transportation of all crops, livestock, poultry and dairy products; other miscellaneous livestock purchases; livestock rental fees; health and breeding services and supplies, custom feeding and grazing; production fees; farm supplies; tools and shop equipment; net insurance; uninsured damages paid; motor vehicle registration and licensing fees; and other management expenses. Prior to 1978, includes interest on nonreal estate debt; electricity; repairs and maintenance of farm buildings, motor vehicles, and other farm machinery; other land improvements; machine hire and custom work; fruit and vegetable containers; cotton ginning; livestock marketing; milk hauling; binding materials; dairy supplies; net Federal Crop Insurance Corporation payments; greenhouse and nursery; grazing; harness and saddlery; small hand tools; telephones; veterinarian fees; dairy assessment fees; net insurance; motor vehicle registration and licensing fees; and other miscellaneous expenses. Estimates are not strictly compatible between the two periods. ^{*} Preliminary.

Economic Research Service.

Table 580.—Farm family income: Number of farm families and percentage distribution by size of total money income, United States, 1975-88 ¹

Year	Num- ber ²	Less than \$1,000	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$4,999	\$5,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Medi- an income
	Thou- sands	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Dol- lars
1975.....	2,200	5.5		3.9	10.9	9.9	16.2	19.9	22.2	11.4	10,845
1976.....	2,184	6.7		2.9	8.6	9.8	14.1	19.5	23.5	14.9	11,663
1977.....	2,172	8.3		2.2	7.8	9.3	11.5	19.0	24.2	17.8	12,637
1978.....	2,051	5.4		2.1	5.0	7.6	10.4	18.1	28.4	23.0	15,284

Year	Num- ber ³	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$29,999	\$30,000 to \$39,999	\$40,000 or more	Medi- an in- come
	Thou- sands	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Dol- lars
1979.....	1,667	5.0	5.6	8.0	8.5	18.7	14.4	11.0	8.4	9.8	10.6	16,351
1980.....	1,631	7.3	4.4	9.7	9.1	17.4	13.0	12.4	8.8	9.0	8.8	15,754
1981.....	1,598	9.4	4.3	6.3	7.0	17.8	12.4	13.6	8.0	10.6	10.6	17,082
1982.....	1,617	7.5	3.7	5.9	7.8	14.0	14.1	13.5	9.1	13.8	10.6	18,756
1983.....	1,558	7.8	3.9	5.7	5.8	16.3	13.5	12.0	8.9	11.9	14.2	18,925
1984.....	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
1985.....	1,562	7.3	3.1	3.7	5.9	13.6	12.1	9.4	10.5	15.4	19.0	21,853
1986.....	1,448	4.8	3.2	4.4	4.6	12.1	11.7	13.0	10.3	14.5	21.5	23,326
1987.....	1,428	2.4	2.0	2.9	3.6	11.4	11.1	14.3	10.7	15.1	26.5	26,016
1988.....	1,351	2.1	1.0	4.0	3.6	10.1	13.6	11.3	9.2	17.8	27.2	27,222

¹ The term "family" refers to a group of two or more persons related by blood, marriage, or adoption and residing together; all such persons are considered as members of the same family. Thus, if the son of the head of the household and son's wife are in the household, they are treated as part of the head's family. Total money income includes net income from farm and nonfarm self-employment, wages and salaries, dividends and interest, Social Security and other pensions, and welfare. ² Number of families residing on farms. The term "farm" is the same as that used in the 1960 and 1970 censuses. Farm was defined as a place in rural territory, from which sales of farm products for the preceding year amounted to at least \$50 for 10 or more acres, or at least \$250 for less than 10 acres.

³ Number of families residing on farms. The term "farm" is the same used in the 1980 census. Farm is defined as a place in rural territory with \$1000 or more in the sales of crops, livestock or other farm products during the preceding year. ⁴ Data not available from the Bureau of the Census.

Economic Research Service. Estimates are from unpublished Current Population Survey data. Bureau of the Census.

Table 581.—Pesticides: Inorganic materials for formulation or manufacture and shipments to agriculture, United States, 1979-88

Item	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Used in pesticide formulation:										
Talc, soapstone, and pyrophyllite.....	<i>Tons</i> 46,000	<i>Tons</i> 39,000	<i>Tons</i> 42,000	<i>Tons</i> 26,000	<i>Tons</i> 17,000	<i>Tons</i> 22,000	<i>Tons</i> 19,000	<i>Tons</i> 18,000	<i>Tons</i> 12,000	<i>Tons</i> 5,000
Fuller's earth.....	199,296	180,594	184,218	167,537	153,589	216,423	256,812	163,989	175,217	200,408
Kaolin.....	46,056	48,834	80,661	29,945	17,878	42,281	67,229	20,778	40,804	61,290
Bentonite.....	4,190	5,945	3,378	5,097	7,788	6,802	1,132	5,877	13,680	7,347
Other clays.....	732	898	10,763	(¹)	(¹)	9,320	5,144	3,948	3,368	4,401
Used in manufacture:										
Mercury.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Shipments to agriculture:										
Copper sulfate.....	13,403	15,593	22,704	14,707	18,566	21,896	16,201	24,031	25,320	23,240
Zinc sulfate (dry basis) ..	8,264	12,397	13,807	13,341	13,113	12,573	15,083	20,521	16,462	14,994

¹ Not available.

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of the Interior.

Table 582.—Pesticides (insecticides, fungicides, and weed killers): Production and foreign trade, United States, 1982-88

Item	1982	1983	1984	1985	1986	1987	1988
PRODUCTION	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Copper sulfate.....	71,048	82,673	76,851	72,179	75,297	73,502	75,363
2,4-D acid.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Other organic pesticides.....	1,112,798	1,016,544	1,189,169	1,234,914	1,180,042	1,039,537	1,163,833
IMPORTS							
Pyrethrum flowers.....	413	244	163	407	693	544	1,887
Pyrethrum extract.....	431	283	326	356	274	248	258
Rotenone-bearing roots.....	686	1,122	1,105	619	619	1,179	1,502
EXPORTS							
Fungicides ²	88,258	81,360	102,960	101,086	104,088	101,824	98,127
2,4-D and 2,4,5-T, acid basis ³	12,738	10,252	15,677	11,342	18,167	17,261	18,075
Other herbicides.....	209,987	217,602	277,340	378,972	272,848	305,322	349,645
DDT.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Other polychlor insecticides.....	20,264	16,599	12,086	12,855	7,313	7,305	5,500
Organophosphorus insecticides.....	74,097	75,117	81,345	78,819	71,120	54,677	54,521
Other agricultural insecticides.....	83,702	77,021	95,067	87,728	83,146	71,343	88,670
Fumigants.....	13,550	15,254	15,812	22,244	16,812	22,858	15,211
Disinfectants, deodorants, and germicides.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Household and industrial insecticides, repellents, and rodenticides.....	5,438	5,482	5,276	4,524	7,418	5,943	3,670

¹ Not available. ² Includes copper sulfate and agricultural sulfur, which were previously listed separately.³ Preparations containing 2,4-D and 2,4,5-T included in "Other herbicides."

Agricultural Stabilization and Conservation Service. Based on data reported by the U.S. Department of Commerce, the International Trade Commission, and the U.S. Department of the Interior.

CHAPTER X

TAXES, INSURANCE, CREDIT, AND COOPERATIVES

The statistics in this chapter deal with taxes, insurance, agricultural credit, and farm cooperatives. Some of the series were developed in connection with research activities of the Department, while others, such as data from agricultural credit agencies, are primarily records of operations.

Table 583.—Taxes levied on farm real estate: Amount, amount per acre, index numbers of amount per acre, United States, 1974-88

Year	Farm real estate		
	Amount	Taxes per acre	
		Amount	Index
	<i>Million dollars</i>	<i>Dollars</i>	<i>1977 = 100</i>
1974.....	2,584.9	2.70	81
1975.....	2,634.8	2.90	87
1976.....	2,849.2	3.15	94
1977.....	3,016.4	3.34	100
1978.....	3,004.7	3.34	100
1979.....	3,215.0	3.58	107
1980.....	3,441.9	3.83	115
1981.....	3,678.2	4.08	122
1982.....	3,678.4	4.08	122
1983.....	3,823.9	4.26	128
1984.....	3,905.3	4.36	131
1985.....	3,961.4	4.44	133
1986.....	3,948.6	4.47	134
1987 ¹	4,233.5	4.82	144
1988 ¹	4,304.1	4.91	147

¹ Excludes Alaska.

Economic Research Service.

Table 584.—Taxes levied on farm real estate: Amount levied on farm real estate, amount per acre, and amount per \$100 of full value, by States, 1987 and 1988 ¹

State	Amount levied on farm real estate		Taxes per acre, amount		Taxes per \$100 of full value	
	1987	1988	1987	1988	1987	1988
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	10.5	11.0	1.16	1.23	0.15	0.15
AZ.....	40.7	40.7	4.70	4.77	1.57	1.71
AR.....	39.5	40.0	2.79	2.83	.39	.37
CA.....	247.0	245.8	9.46	9.50	.61	.60
CO.....	59.3	61.6	1.99	2.09	.45	.57
CT.....	9.3	10.1	23.88	25.86	.67	.62
DE.....	.8	.8	1.39	1.37	.08	.08
FL.....	101.4	107.2	9.34	10.04	.58	.56
GA.....	48.7	52.6	4.57	4.93	.51	.54
HI.....	21.2	21.8	12.48	12.74	.72	.66
ID.....	41.1	39.2	3.63	3.48	.66	.61
IL.....	494.3	474.7	17.38	16.69	1.51	1.32
IN.....	111.8	117.0	6.94	7.17	.65	.62
IA.....	333.2	323.2	10.56	10.24	1.34	1.08
KS.....	121.6	131.7	2.62	2.84	.70	.69
KY.....	33.6	32.7	2.41	2.36	.27	.26
LA.....	19.0	19.2	2.39	2.47	.26	.26
ME.....	10.4	11.4	7.80	8.53	.88	.89
MD.....	21.2	21.3	8.93	9.37	.44	.41
MA.....	13.1	16.2	22.16	27.95	.74	.79
MI.....	311.3	314.9	30.13	30.94	3.23	3.19
MN.....	159.9	155.2	6.04	5.86	1.03	.84
MS.....	19.4	19.8	1.85	1.93	.27	.28
MO.....	67.5	68.6	2.32	2.37	.38	.37
MT.....	84.1	85.3	1.19	1.21	.59	.59
NE.....	261.2	274.4	5.96	6.27	1.49	1.37
NV.....	3.0	3.5	.57	.66	.24	.29
NH.....	6.7	8.0	16.39	19.06	.89	.90
NJ.....	28.4	30.5	32.37	35.53	.87	.90
NM.....	10.9	10.9	.36	.36	.23	.20
NY.....	134.2	141.7	16.04	17.14	1.67	1.73
NC.....	50.0	51.7	5.33	5.62	.42	.44
ND.....	77.4	77.6	2.06	2.07	.68	.65
OH.....	144.9	148.5	9.71	9.95	.89	.83
OK.....	55.3	54.7	1.33	1.81	.39	.38
OR.....	72.7	76.2	4.49	4.73	.33	.37
PA.....	104.9	112.0	13.48	14.57	.88	.92
RI.....	2.4	2.6	42.41	44.95	1.25	.95
SC.....	13.1	14.4	2.79	3.06	.35	.35
SD.....	102.7	105.6	2.77	2.85	1.16	1.06
TN.....	46.1	47.1	3.97	4.06	.42	.41
TX.....	307.9	304.6	2.41	2.39	.44	.44
UT.....	11.9	12.1	1.69	1.72	.37	.41
VT.....	16.8	17.2	12.01	12.38	1.08	1.10
VA.....	44.5	50.2	5.16	5.83	.45	.49
WA.....	60.2	60.2	4.69	4.69	.62	.63
WV.....	3.3	3.4	.99	1.01	.16	.15
WI.....	238.3	258.0	14.40	15.59	1.85	1.89
WY.....	16.7	16.8	.71	.71	.54	.48
US ²	4,233.5	4,304.1	4.82	4.91	.80	.77

¹ Totals may not add due to rounding.
Economic Research Service.

² Excludes Alaska.

Table 585.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948-89

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drain- age)	Frost freeze, (other cold dam- age)	Flood	Cy- clone, tor- nado, wind, hot wind	In- sects	Dis- ease	All others
		Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Almonds.....	1981-89	1	2	56	38		2			1
Apples.....	1956-89	5	23		64		3			5
Barley.....	1956-89	70	9	7	3		2	7		2
Bean, canning.....	1988-89	62		19	4		9	2	3	1
Bean, dry edible.....	1948-89	35	20	14	17	2	2		7	3
Cherry, red tart.....	1963-89		8		89		3			
Citrus.....	1951-89	1	1		95		3			
Combined crop.....	1948-87									100
Corn.....	1948-89	74	6	9	3	2	3	1	1	1
Cotton.....	1948-89	40	18	20	13	1	4	2	1	1
Cotton, ELS.....	1985-89	9	25	4	53	6			1	2
Cranberries.....	1984-89	17	2	7	18	1		1	1	53
Citrus trees.....	1983-89				100					
Figs.....	1988-89			63	37					
Flax.....	1948-89	47	8	22	6	1	7		3	5
Forage production.....	1979-89	83	1	1	8			2		5
Forage seeding.....	1978-89	67		9	17			4		2
Fresh sweet corn.....	1986-89	1	1		88		1			1
Fresh tomato.....	1984-89		2	3	72		15			3
Grain sorghum.....	1959-89	55	5	13	14	2		5		2
Grape.....	1967-89	15	6	29	45	1	3			1
Hybrid seed.....	1983-89	89	1	5	1		1		1	1
Oat.....	1956-89	75	8	8	4		2	1	1	1
Onion.....	1988-89	25	11	35	7	10	7	1		4
Orange.....	1958-80				100					
Pea, dry and green.....	1962-89	48	7	17	17		9		1	1
Peach.....	1957-89	2	13	1	82		1			1
Peach, canning.....	1985-89	4		92						4
Peanut.....	1962-89	68		16	4		2		9	1
Pears.....	1989-89									100
Peppers.....	1984-89		1	6	86		6			1
Popcorn.....	1984-89	37	14	12	22	6	6	1		2
Potato.....	1962-89	36	5	22	20	7	5		4	1
Prevented planting.....	1982-89			77		23				
Prunes.....	1985-89	11	1	55	16		9			8
Raisin.....	1961-89			99						1
Rice.....	1958-89	12		34	5	5	14		18	12
Rye.....	1980-89	68	8	7	11	1	2	1		2
Safflower.....	1964-89	67	3	2	2		2	9	13	2
Sorghum seed.....	1988-89		33	6	56		5			
Soybean.....	1955-89	64	4	24	2	2	2		1	1
Stonefruit.....	1988-89	5	1	5	59					30
Sugarbeet.....	1965-89	33	5	15	12	5	12	3	11	4
Sugarcane.....	1967-89	4		11	71		4	9	1	
Sunflower.....	1976-89	45	11	9	22		3	6	2	2
Sweet corn.....	1978-89	70	4	10	4		8		3	1
Table grapes.....	1984-89	35	3	38	8		6		1	9
Tobacco.....	1948-89	41	13	26	2	1	7		8	2
Tomato.....	1963-89	32	1	55	7		2		3	
Tung nut.....	1965-70				100					
Walnuts.....	1984-89	13	1	54	29		1			2
Wheat.....	1948-89	61	10	7	11	1	3	3	3	1
All crops.....	1948-89	1,527	295	1,029	1,544	77	189	60	97	382

Federal Crop Insurance Corporation.

Table 586.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1987-89 ¹

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ³	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
Almonds:								
1987	18	1,290	77	73,438	4,852	31	2	668
1988	18	1,562	92	95,194	5,956	187	15	5,684
1989	18	2,070	111	112,056	6,565	800	37	8,759
Apple:								
1987	131	1,565	42	51,344	4,865	289	10	4,314
1988	159	1,642	46	62,816	5,809	731	22	13,047
1989	231	2,145	67	74,116	7,709	877	26	13,750
Barley:								
1987	2,620	46,188	2,837	127,072	9,632	8,554	532	11,834
1988	2,620	55,923	3,197	146,435	12,641	41,172	2,370	61,007
1989	2,620	78,718	4,305	194,936	17,913	26,152	1,364	26,357
Bean, dry edible:								
1987	236	10,326	587	87,502	7,021	2,872	158	13,137
1988	272	10,588	505	65,677	5,378	3,250	172	10,360
1989	323	17,746	848	141,470	12,079	7,417	398	35,677
Bean, canning:								
1988	103	129	11	2,199	184	57	5	468
1989	164	486	32	5,016	438	78	5	441
Citrus:								
1987	43	2,260	55	31,929	2,715	76	1	375
1988	43	2,240	53	36,342	2,986	132	5	1,009
1989	44	2,060	44	35,615	2,860	149	3	1,094
Citrus tree:								
1987	3	1,611	17	26,319	1,083	0	0	0
1988	3	2,200	20	33,887	1,388	0	0	0
1989	3	2,677	21	42,706	1,752	1	(*)	1
Combined crop: ⁴								
1987	5	754	84	4,425	129	75	0	135
1988	0							
Corn:								
1987	2,850	239,320	11,442	1,598,283	79,816	23,607	1,009	47,079
1988	2,849	262,154	12,854	1,813,254	94,200	112,214	5,350	301,400
1989	2,850	546,767	30,050	5,161,940	267,093	83,041	4,392	243,652
Cotton:								
1987	692	31,819	2,332	272,982	28,970	4,065	279	14,050
1988	690	33,105	2,654	368,303	44,530	7,364	509	38,974
1989	691	52,436	3,376	477,291	52,822	26,459	1,690	126,808
Cotton ELS:								
1987	12	23	1	685	47	2	(*)	60
1988	12	19	2	1,211	83	2	(*)	47
1989	12	167	20	9,821	848	75	8	1,495
Cranberries:								
1987	0	92	4	19,772	577	21	1	438
1988	32	100	4	22,609	639	6	(*)	556
1989	32	133	5	27,230	790	27	1	2,134
Figs:								
1988	4	66	3	1,980	181	5	1	181
1989	4	76	4	3,284	305	14	1	307
Flax:								
1987	119	2,434	85	3,181	370	520	18	341
1988	119	1,662	59	2,045	240	1,280	48	1,092
1989	120	3,063	99	3,130	390	2,220	73	1,378
Forage								
1987	20	8	(*)	29	2	0	0	0
1988	26	35	3	677	32	16	1	92
1989	143	7,915	500	36,756	1,693	2,615	175	4,376
Forage seedling:								
1987	21	62	1	56	4	7	(*)	4
1988	21	38	1	34	3	17	(*)	10
1989	63	197	6	280	23	69	3	76
Fresh Sweet Corn:								
1987	1	198	18	7,671	415	25	3	566
1988	2	312	22	9,049	501	57	3	617
1989	7	234	19	8,035	478	103	8	683
Fresh Tomato:								
1987	26	520	29	68,799	6,311	109	7	3,142
1988	26	361	18	42,241	4,548	29	1	1,044
1989	49	271	16	36,579	3,740	62	3	3,640
Grain sorghum:								
1987	2,471	38,636	1,583	108,532	8,312	6,149	327	9,046
1988	2,468	35,975	1,409	97,044	7,613	8,383	391	10,475
1989	2,468	88,958	4,112	347,423	27,437	33,777	1,841	66,482

See footnotes at end of table.

Table 586.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1987-89 ¹—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ³	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
Grape:								
1987	60	1,250	46	31,094	2,198	162	5	859
1988	66	1,272	44	33,953	2,438	124	3	455
1989	97	1,600	51	42,296	3,093	225	5	2,117
Hybrid seed:								
1987	398	4,599	182	69,915	4,793	836	36	4,545
Hybrid corn seed:								
1988	398	6,457	266	101,043	6,892	4,608	189	36,377
1989	414	10,642	467	176,979	12,210	2,374	104	11,310
Hybrid sorghum seed:								
1988	12	37	3	702	97	21	2	238
1989	15	63	6	1,681	235	29	4	968
Macadamia nuts:								
1988	4	7	1	2,631	37	0	0	0
1989	4	23	2	2,359	22	0	0	0
Macadamia trees:								
1988	4	7	1	11,727	164	0	0	0
1989	4	21	2	19,420	257	0	0	0
Oat:								
1987	2,532	9,147	264	8,606	740	2,130	63	990
1988	2,532	14,314	557	16,801	1,737	10,350	458	9,800
1989	2,531	73,953	2,531	84,988	8,040	28,516	1,192	22,549
Onion:								
1988	51	124	7	4,603	304	70	3	725
1989	63	170	9	5,804	364	61	3	976
Pea, dry green:								
1987	153	1,795	100	13,086	1,050	270	12	579
1988	161	3,331	159	20,153	1,716	1,618	62	3,186
1989	175	4,228	189	26,930	2,263	489	20	1,343
Peach:								
1987	72	751	35	13,864	1,631	364	15	3,569
1988	96	776	36	14,202	1,584	286	15	3,673
1989	166	1,112	43	14,929	1,691	749	28	7,954
Peaches, canning:								
1987	10	68	2	3,135	221	5	(*)	21
1988	0							
Peanut:								
1987	278	23,623	797	413,504	21,073	8,621	316	47,784
1988	278	25,944	906	455,332	22,864	7,057	309	34,589
1989	292	28,300	986	522,780	26,096	7,253	270	33,355
Pears:								
1989	22	68	2	1,827	127	1	(*)	1
Pepper:								
1987	10	94	5	10,160	952	6	(*)	198
1988	10	72	3	7,109	675	4	(*)	409
1989	11	47	3	5,586	569	8	1	877
Popcorn:								
1987	175	652	42	7,745	419	66	4	248
1988	184	917	43	6,938	468	336	17	1,300
1989	279	1,580	81	18,485	1,172	186	10	1,092
Potato:								
1987	211	1,759	159	105,941	5,626	457	45	13,668
1988	237	2,415	200	129,300	6,712	1,023	86	19,317
1989	305	3,131	251	153,949	8,150	1,150	94	20,154
Prevented plant endorsement:								
1987	0	5	1	24	1	0	0	0
1988	0							
1989	0	2	1	7	(*)	0	0	0
Prunes:								
1987	13	163	12	10,959	702	9	1	121
1988	13	180	12	10,997	693	74	4	1,395
1989	13	217	13	11,478	736	13	1	234
Raisin:								
1987	7	3,406	210	101,186	8,873	0	0	0
1988	7	3,561	222	119,581	10,247	0	0	0
1989	7	3,960	332	197,291	16,825	821	100	33,738
Rice:								
1987	165	3,281	295	60,713	1,761	703	69	4,752
1988	165	4,084	473	97,671	2,870	901	117	7,671
1989	165	4,148	442	91,261	2,660	906	113	7,883
Rye:								
1987	36	88	5	147	13	12	1	10
1988	36	125	6	166	17	83	4	62
1989	54	691	33	758	88	155	9	121
Safflower:								
1987	40	346	22	524	68	57	6	67
1988	40	469	25	657	87	325	18	347
1989	59	516	45	4,527	355	236	24	1,262

See footnotes at end of table.

Table 586.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 1987-89 ¹—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units ²	Area insured ³	Maximum insured production		Number	Area indemnified ³	Amount
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 acres</i>	<i>1,000 dollars</i>
Soybean:								
1987	1,868	202,735	11,042	1,165,731	75,983	32,242	2,694	100,290
1988	1,879	226,260	11,523	1,193,050	80,898	81,532	4,468	156,603
1989	1,883	449,386	20,732	2,692,618	150,795	65,183	3,809	145,361
Stonefruit:								
1988	16	122	4	5,261	406	24	2	536
1989	16	128	4	4,860	363	6	(*)	58
Sugarbeet:								
1987	143	3,246	239	98,515	4,518	480	29	2,912
1988	145	5,634	341	145,148	6,359	2,767	187	13,689
1989	153	7,724	455	185,652	7,905	2,008	109	8,877
Sugarcane:								
1987	23	125	22	9,811	541	7	1	132
1988	23	146	20	9,133	490	4	1	37
1989	23	165	19	9,156	489	88	14	4,618
Sunflower:								
1987	169	11,114	673	33,520	2,788	912	59	1,532
1988	194	14,657	886	44,018	3,904	5,897	371	8,663
1989	219	17,414	976	59,541	5,418	6,609	368	9,567
Sweet Corn:								
1987	176	757	39	7,145	448	44	3	225
1988	189	2,480	112	19,593	1,123	783	34	2,001
1989	199	3,574	161	27,951	1,638	240	10	831
Table Grape:								
1987	10	165	7	9,338	765	32	1	274
1988	10	128	5	7,517	568	13	(*)	350
1989	13	116	5	8,693	643	14	1	371
Tobacco:								
1987	494	65,957	225	517,889	14,893	7,755	26	22,751
1988	495	63,374	266	592,013	16,930	4,188	20	15,425
1989	499	62,364	278	640,188	18,319	8,034	48	30,912
Tomato:								
1987	74	749	50	48,381	3,135	63	4	977
1988	84	905	60	58,398	3,717	136	15	2,671
1989	106	1,192	80	77,201	4,944	341	22	8,333
Walnut:								
1987	29	59	3	2,118	116	4	(*)	18
1988	29	57	3	1,870	96	10	(*)	28
1989	29	100	4	2,901	146	21	1	296
Wheat:								
1987	2,849	190,455	15,455	852,307	56,211	32,768	2,631	57,990
1988	2,849	243,143	18,453	1,050,556	75,417	131,355	11,007	298,523
1989	2,849	368,745	29,672	1,797,573	138,368	147,745	11,672	316,064
Total, all commodities:								
1987	19,263	908,495	49,126	6,077,377	364,640	134,407	8,368	369,701
1988	19,674	1,029,109	55,590	6,961,121	436,422	428,491	26,285	1,064,132
1989	20,507	1,851,499	101,510	13,607,353	818,916	457,397	28,060	1,208,333

¹ Data for 1989 are preliminary. ² Number of farms on which the insured crop was planted including duplication where both the landlord and tenant are insured. Insured farms on which no insured crop was planted are not included. ³ The insured's share of the planted area on the farm. ⁴ Less than 500 acres. ⁵ Thousands of tons insured for raisins (not included in total of all commodities). n.a. not available.

Federal Crop Insurance Corporation.

Table 587.—Farm real estate debt: Amount outstanding by farming regions, Dec. 31, 1974-89¹

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	2,401,636	4,332,574	9,959,599	4,672,578	3,293,116	3,367,041
1975.....	2,617,094	4,785,059	11,143,474	5,245,892	3,730,799	3,806,246
1976.....	2,778,693	5,392,578	12,770,539	6,042,629	4,084,187	4,063,345
1977.....	3,070,146	6,385,341	15,274,768	7,171,902	4,599,753	4,567,935
1978.....	3,361,661	7,457,469	17,907,192	8,120,333	5,146,741	5,096,946
1979.....	4,043,785	9,089,732	21,442,912	9,686,622	6,233,217	5,937,062
1980.....	4,488,821	10,417,609	24,172,820	10,959,905	7,002,986	6,667,999
1981.....	4,802,334	11,656,068	26,494,864	12,149,225	7,599,092	7,416,770
1982.....	4,999,752	12,138,637	27,224,547	12,695,795	7,884,971	7,654,829
1983.....	5,055,098	12,548,241	27,481,721	12,927,837	7,954,741	7,768,451
1984.....	4,829,869	12,465,632	26,862,422	12,799,494	7,771,505	7,736,521
1985.....	4,589,982	11,738,512	24,902,363	11,896,287	7,358,756	7,347,741
1986.....	4,197,837	10,419,615	22,245,000	10,670,275	6,675,866	6,731,941
1987.....	4,003,223	9,380,812	20,041,161	9,612,181	6,353,289	6,334,724
1988.....	3,966,309	8,732,609	18,950,187	9,084,305	6,261,632	6,050,562
1989 ²	4,109,130	8,232,809	18,367,338	8,738,177	6,144,922	5,899,984

Year	Delta States	Southern Plains	Mountain	Pacific	United States ³
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1974.....	2,654,726	4,520,170	4,335,842	5,312,850	44,922,198
1975.....	2,845,302	4,923,192	4,869,871	5,812,980	49,852,886
1976.....	3,092,337	5,240,169	5,433,270	6,438,106	55,411,913
1977.....	3,496,409	5,744,756	6,217,186	7,328,901	63,949,369
1978.....	3,912,669	6,354,335	6,942,009	8,356,809	72,756,475
1979.....	4,791,295	7,292,675	8,197,719	9,913,739	86,754,557
1980.....	5,373,503	7,945,855	9,150,127	11,165,948	97,486,994
1981.....	5,962,193	8,483,570	9,898,009	12,613,498	107,230,492
1982.....	6,222,484	8,829,836	10,169,210	13,308,123	111,312,040
1983.....	6,255,182	9,205,745	10,415,701	13,879,888	113,721,549
1984.....	6,113,480	9,296,911	10,266,745	13,885,375	112,303,439
1985.....	5,603,762	9,176,682	9,632,807	13,199,941	105,739,201
1986.....	4,949,332	8,527,166	8,733,451	12,398,731	95,879,801
1987.....	4,552,288	7,873,394	7,873,954	11,424,246	87,717,604
1988.....	4,177,621	7,216,878	7,323,254	10,898,661	82,952,522
1989 ²	4,023,261	6,797,640	6,944,297	10,971,025	80,476,478

¹ Includes operator households. Data for 1972-1987 were revised in 1987 to include Commodity Credit Corporation storage and drying facility loans. States included in regions are as follows: Northeast—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, and Maryland; Lake States—Michigan, Wisconsin, and Minnesota; Corn Belt—Ohio, Indiana, Illinois, Iowa, and Missouri; Northern Plains—North Dakota, South Dakota, Nebraska, and Kansas; Appalachian—Virginia, West Virginia, North Carolina, Kentucky, and Tennessee; Southeast—South Carolina, Georgia, Florida, and Alabama; Delta States—Mississippi, Arkansas, and Louisiana; Southern Plains—Oklahoma and Texas; Mountain—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada; Pacific—Washington, Oregon, and California. ² Preliminary. ³ Includes Alaska and Hawaii.

Economic Research Service.

Table 588.—Farm real estate debt: Amount outstanding, by States, Dec. 31, 1970, 1980, 1986, 1987, 1988, and 1989 ¹

State	1970	1980	1986	1987	1988	1989 ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	417,923	1,241,479	1,104,074	974,483	898,942	870,528
AK.....	2,619	25,872	25,499	20,720	22,230	23,575
AZ.....	301,824	655,778	705,171	672,635	671,668	666,578
AR.....	743,015	1,967,032	1,900,835	1,766,932	1,665,883	1,638,069
CA.....	2,451,999	7,239,041	8,223,854	7,673,022	7,353,564	7,509,231
CO.....	682,274	2,236,462	2,098,655	1,833,025	1,743,229	1,644,210
CT.....	41,255	114,192	101,468	94,983	122,665	103,368
DE.....	42,108	141,693	144,520	151,492	155,529	151,124
FL.....	647,169	2,333,652	2,730,643	2,614,918	2,650,370	2,740,778
GA.....	632,776	2,273,187	2,002,795	1,976,609	1,848,267	1,707,272
HI.....	23,026	123,295	255,086	247,609	238,287	224,320
ID.....	619,135	1,797,200	1,762,702	1,566,671	1,430,125	1,318,323
IL.....	1,551,230	5,714,603	5,441,611	4,951,285	4,687,471	4,510,080
IN.....	1,127,888	4,247,972	3,813,561	3,429,739	3,262,396	3,169,070
IA.....	2,277,513	7,840,195	7,159,868	6,343,940	5,911,662	5,742,351
KS.....	1,066,214	3,291,184	3,045,806	2,767,861	2,669,913	2,589,500
KY.....	625,388	2,151,096	2,027,605	1,902,613	1,829,775	1,784,606
LA.....	479,020	1,565,065	1,245,582	1,123,486	991,126	924,586
ME.....	63,347	169,591	149,404	139,461	133,461	127,691
MD ³	240,397	652,826	617,210	578,749	569,674	631,091
MA.....	41,209	96,059	122,305	87,730	89,450	113,142
MI.....	700,584	2,095,943	2,219,569	1,955,639	1,787,974	1,652,726
MN.....	1,377,542	5,005,371	4,850,323	4,331,465	4,031,658	3,821,403
MS.....	651,850	1,841,406	1,802,915	1,661,870	1,520,612	1,460,607
MT.....	1,077,082	3,563,856	3,343,397	3,084,068	2,952,225	2,844,370
MO.....	661,862	2,264,995	2,187,384	1,953,031	1,769,631	1,697,424
NE.....	1,149,962	3,784,748	3,662,535	3,287,867	3,103,169	2,995,292
NV.....	85,464	280,952	290,791	248,447	209,560	204,202
NH.....	19,072	56,108	44,617	39,317	38,176	36,966
NJ.....	120,634	315,152	274,763	255,375	253,461	258,294
NM.....	287,598	717,776	693,848	677,472	641,479	611,477
NY.....	431,635	1,216,789	1,102,142	1,045,431	1,013,904	1,116,676
NC.....	474,859	1,884,791	1,876,175	1,790,595	1,649,438	1,608,463
ND.....	549,263	1,965,647	2,130,523	1,943,685	1,820,962	1,727,669
OH.....	889,971	2,806,194	2,486,563	2,232,129	2,166,433	2,101,466
OK.....	805,052	2,421,534	2,455,783	2,194,954	2,074,170	1,965,066
OR.....	552,721	1,979,220	2,157,837	1,911,788	1,876,857	1,841,160
PA.....	428,045	1,513,069	1,416,308	1,401,341	1,376,585	1,358,231
RI.....	3,661	11,324	14,049	15,275	16,728	16,736
SC.....	224,699	819,681	894,429	768,714	652,983	581,407
SD.....	593,656	1,918,326	1,831,411	1,612,768	1,490,261	1,425,715
TN.....	570,928	1,583,294	1,371,526	1,279,863	1,229,974	1,199,952
TX.....	2,327,518	5,524,321	6,071,383	5,678,440	5,142,708	4,832,574
UT.....	143,625	552,503	534,202	480,132	461,809	423,555
VT.....	81,961	202,018	211,051	194,069	196,676	195,809
VA.....	366,938	1,149,283	1,161,074	1,131,339	1,210,053	1,223,724
WA.....	619,361	1,947,687	2,017,040	1,839,436	1,668,240	1,620,635
WV.....	74,743	234,522	239,486	248,879	342,392	328,176
WI.....	903,426	3,315,795	3,349,723	3,093,708	2,912,977	2,758,679
WY.....	241,318	644,461	510,698	442,541	395,753	378,529
US.....	30,638,631	97,486,994	95,879,801	87,717,604	82,952,522	80,476,478

¹ Includes operator households. Includes Commodity Credit Corporation storage and drying facility loans.

² Preliminary. ³ Includes District of Columbia.

Economic Research Service.

Table 589.—Farm real estate debt: Amount outstanding by lender, by States, Dec. 31, 1988 and 1989 ¹

State	Federal land banks ²		Life insurance companies ³		Farmers Home Administration ⁵		All operating banks		Individuals and others ⁶	
	1988 ⁴	1989 ⁴	1988 ⁴	1989 ⁴	1988 ⁴	1989 ⁴	1988 ⁴	1989 ⁴	1988 ⁴	1989 ⁴
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL.....	395,747	352,483	57,700	54,300	123,380	110,048	197,039	235,673	125,076	118,024
AK.....	7,975	7,485	6,500	8,000	578	558	2,354	2,977	4,823	4,555
AZ.....	134,298	117,725	162,600	167,900	67,419	61,847	163,479	183,230	143,872	135,876
AR.....	476,765	434,172	274,100	270,800	312,863	287,413	390,115	445,691	212,040	199,993
CA.....	3,063,283	2,921,698	1,927,400	2,178,000	250,395	241,343	689,810	824,593	1,422,676	1,343,597
CO.....	792,400	748,860	266,100	220,400	132,765	118,416	155,570	182,258	396,388	374,276
CT.....	44,514	47,727	33,200	900	15,916	14,293	11,347	23,743	17,688	16,705
DE.....	69,100	72,000	1,300	1,200	16,322	14,460	44,680	40,678	24,127	22,786
FL.....	913,021	822,599	674,900	787,000	129,564	115,593	578,720	681,157	354,165	334,429
GA.....	796,435	683,718	152,700	149,600	221,623	192,454	499,149	513,257	178,360	168,242
HI.....	133,218	123,822	31,400	31,500	30,417	30,491	32,901	28,731	10,351	9,776
ID.....	576,118	540,663	191,500	167,100	276,583	247,215	32,807	30,180	353,117	333,165
IL.....	1,658,787	1,510,594	482,000	453,100	347,520	318,916	1,259,198	1,340,119	939,966	887,351
IN.....	1,020,539	1,004,761	303,300	292,700	324,469	281,921	771,839	794,427	842,249	795,261
IA.....	1,634,709	1,526,711	572,000	556,700	463,033	433,004	1,106,223	1,209,727	2,135,697	2,016,209
KS.....	1,114,690	1,053,434	247,200	233,800	286,835	268,930	569,192	606,471	451,996	424,865
KY.....	404,272	398,021	155,500	147,000	316,653	291,064	640,894	653,543	312,456	296,978
LA.....	395,747	352,483	148,700	154,700	188,549	149,519	153,239	168,886	104,891	98,999
ME.....	37,095	39,773	0	0	72,622	63,014	5,226	7,736	18,218	17,168
MD.....	287,100	294,000	11,900	12,500	50,525	44,948	86,850	153,765	133,299	125,879
MA.....	29,676	31,818	8,700	23,700	26,138	24,905	5,906	14,746	19,030	17,973
MI.....	867,412	796,745	48,200	40,100	222,396	193,282	226,015	222,535	423,951	400,065
MN.....	1,635,071	1,501,864	235,200	217,500	382,129	312,219	622,439	698,163	1,156,819	1,091,657
MS.....	527,662	469,977	210,700	224,200	320,228	289,024	291,058	316,070	170,964	161,336
MO.....	731,345	666,009	251,000	229,600	426,364	387,758	883,901	938,387	659,615	622,616
MT.....	650,066	610,060	217,600	211,500	202,386	194,729	106,500	121,068	593,079	560,067
NE.....	993,647	928,001	432,800	398,100	402,969	371,432	596,202	658,270	677,551	639,490
NV.....	86,051	81,882	42,000	45,000	22,867	20,957	1,744	2,628	56,898	53,735
NH.....	14,838	15,909	2,800	600	8,197	8,377	2,762	3,054	9,579	9,047
NJ.....	118,703	127,273	1,400	700	29,523	24,650	25,226	31,444	78,609	74,228
NM.....	218,799	206,775	76,000	70,300	74,031	69,049	121,669	122,788	150,980	142,565
NY.....	430,239	461,364	20,600	11,100	189,608	176,554	111,123	220,182	262,274	247,477
NC.....	822,414	748,599	57,300	89,300	302,745	269,102	284,678	329,418	182,301	172,045
ND.....	854,401	784,794	38,700	36,100	375,307	335,221	228,970	265,052	323,584	305,503
OH.....	714,871	703,818	150,000	142,000	213,673	195,025	628,917	627,312	458,972	433,311
OK.....	830,843	785,186	127,400	112,400	382,976	348,361	352,562	359,906	380,389	359,214
OR.....	602,459	565,383	472,600	488,800	141,256	130,230	60,624	90,187	599,918	566,561
PA.....	476,300	490,000	34,200	14,400	153,923	143,555	454,318	466,821	257,844	234,456
RI.....	7,419	7,955	0	0	3,373	3,333	4,141	3,753	1,795	1,696
SC.....	410,063	350,718	18,500	14,200	107,130	97,482	54,173	59,427	63,117	59,581
SD.....	480,797	449,033	51,800	53,100	420,763	390,489	148,384	166,482	388,517	366,612
TN.....	325,389	320,359	56,200	45,300	282,579	260,580	389,907	407,795	175,899	165,919
TX.....	1,964,069	1,852,333	606,100	562,700	409,682	388,174	1,053,531	981,584	1,109,326	1,047,583
UT.....	183,624	169,160	28,100	12,100	66,541	62,819	31,762	36,167	151,782	143,309
VT.....	59,352	63,636	0	0	53,284	50,694	49,560	48,927	34,480	32,552
VA.....	595,900	644,000	84,400	75,900	110,654	101,175	253,263	246,113	165,836	156,536
WA.....	579,985	544,291	323,200	331,800	178,103	168,631	175,686	187,523	411,266	388,390
WV.....	83,100	81,000	110,400	107,700	52,803	50,581	69,188	63,508	26,901	25,387
WI.....	980,175	900,322	96,000	69,700	357,851	315,069	766,907	802,362	712,044	671,227
WY.....	96,159	89,807	79,800	82,800	59,297	49,930	24,652	27,685	135,845	128,308
US.....	30,326,708	28,501,000	9,581,700	9,597,900	9,606,807	8,719,822	15,416,700	16,646,179	18,020,620	17,011,577

¹ Includes operator households. ² Includes mortgages in process of foreclosure. ³ Includes U.S. legal reserve companies only. Includes regular mortgages and purchase-money mortgages. ⁴ Revised. ⁵ Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition. ⁶ Estimated by ERS, USDA; includes CCC storage and drying facility loans. ⁷ Includes District of Columbia.

Economic Research Service.

Table 590.—All operating banks: Amount of agricultural loans outstanding, by type, and by States, specified dates, 1986-89¹

State and Territory	Farm real estate loans				Nonreal estate farm loans			
	1986	1987	1988	1989 ²	1986	1987	1988	1989 ²
	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31	Dec. 31
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	172,283	187,141	197,039	235,678	192,410	178,530	191,553	210,972
AK.....	1,110	1,864	2,354	2,977	8,959	7,521	8,475	7,042
AZ.....	122,338	136,460	163,479	183,230	549,616	571,518	501,093	493,357
AR.....	320,669	376,676	390,115	445,691	400,823	392,763	413,559	496,031
CA.....	581,206	667,170	689,810	824,593	2,685,661	2,474,899	2,679,577	2,636,185
CO.....	111,400	134,574	155,570	182,258	712,313	701,404	704,601	741,913
CT.....	10,289	12,932	11,347	23,743	29,939	23,047	32,671	30,224
DE.....	21,927	32,875	44,680	40,678	26,515	28,813	24,802	25,611
FL.....	406,786	489,799	578,720	681,187	348,341	313,515	325,010	255,725
GA.....	341,928	405,253	499,149	513,257	278,436	262,918	291,932	310,919
HI.....	23,331	32,021	32,901	28,781	24,543	22,728	19,445	30,489
ID.....	23,259	27,669	32,807	30,180	573,890	545,255	567,043	595,272
IL.....	950,416	1,135,047	1,259,198	1,340,119	1,920,120	1,728,556	1,922,276	1,970,646
IN.....	678,550	744,709	771,839	794,427	945,662	836,149	897,722	931,391
IA.....	820,753	984,116	1,106,223	1,209,727	2,543,382	2,297,362	2,518,296	2,740,156
KS.....	408,031	505,126	569,192	606,471	1,944,981	1,885,390	1,896,478	1,985,730
KY.....	572,669	623,055	640,894	653,543	562,480	379,370	387,009	397,827
LA.....	195,603	186,638	153,289	168,886	273,701	227,297	219,065	254,653
ME.....	5,177	5,430	5,526	7,786	24,254	28,577	47,315	31,157
MD ³	68,393	76,996	86,850	153,765	78,974	67,956	52,432	46,329
MA.....	39,583	10,767	5,906	14,746	36,534	66,685	51,785	51,144
MI.....	249,766	291,012	296,015	222,535	511,298	440,639	420,082	391,653
MN.....	449,958	525,544	622,439	698,183	1,663,311	1,474,197	1,580,270	1,696,965
MS.....	251,816	320,333	291,058	316,070	339,445	285,541	275,627	338,170
MO.....	715,793	802,532	883,901	938,387	1,065,992	958,642	953,807	1,037,492
MT.....	67,269	90,602	106,500	121,068	589,753	525,384	468,278	514,928
NE.....	417,129	583,382	596,202	658,270	2,098,560	2,001,378	2,138,848	2,265,538
NV.....	3,473	2,898	1,744	2,628	14,317	19,014	17,551	17,048
NH.....	4,513	3,394	2,762	3,084	1,070	1,705	1,104	833
NJ.....	18,767	25,095	25,226	31,444	16,802	21,330	17,014	13,444
NM.....	56,603	116,847	121,669	122,788	218,612	168,917	181,736	190,922
NY.....	96,585	133,534	111,123	220,182	684,904	588,908	427,666	401,903
NC.....	229,571	244,649	284,678	329,418	247,710	265,762	248,552	255,373
ND.....	178,198	208,816	228,970	265,052	791,185	764,630	735,188	776,890
OH.....	559,466	598,162	628,917	627,312	515,163	499,385	544,517	540,664
OK.....	330,822	380,421	352,562	359,906	1,082,762	1,127,267	1,132,420	1,211,205
OR.....	31,138	43,562	60,624	90,187	331,800	334,038	361,151	342,520
PA.....	370,925	445,075	454,318	466,821	358,866	288,263	309,413	284,679
RI.....	453	3,307	4,141	3,753	2,154	2,060	1,230	1,589
SC.....	52,975	53,698	54,173	59,427	74,481	63,628	66,071	67,035
SD.....	116,664	131,939	148,384	166,482	1,023,693	933,987	940,242	1,002,488
TN.....	368,067	397,005	389,907	407,795	281,451	241,878	246,750	227,099
TX.....	1,082,711	1,112,532	1,053,531	981,584	2,791,322	2,680,194	2,645,669	2,547,000
UT.....	33,046	29,342	31,762	36,167	105,409	94,703	114,413	124,247
VT.....	45,583	44,790	49,560	48,927	27,051	28,480	28,964	33,247
VA.....	185,522	225,616	253,263	246,113	201,464	193,927	193,310	190,903
WA.....	153,021	184,641	175,686	187,523	812,478	832,354	843,447	956,296
WV.....	54,794	60,362	69,188	63,508	25,687	26,372	24,129	21,026
WI.....	663,758	758,415	766,907	802,362	992,112	914,618	937,524	933,836
WY.....	27,623	26,039	24,652	27,685	221,917	222,380	211,393	215,130
US.....	12,710,650	14,455,162	15,416,700	16,646,179	31,240,333	29,040,839	29,798,655	30,782,896

¹ Includes operator households. Includes loans of national and commercial, mutual savings, stock savings, and private banks. Loans are classified according to location of bank and, therefore, are not strictly comparable with data for other lenders which are classified according to location of borrower. ² Preliminary. ³ Includes District of Columbia.

Economic Research Service. Data from Federal Deposit Insurance Corporation.

Table 591.—Farm real estate debt: Average interest rates on loans outstanding, by farming regions,¹ Dec. 31, 1975-89²

Year	North-east	Lake States	Corn Belt	North-ern Plains	Appa-lachian	South-east	Delta States	South-ern Plains	Moun-tain	Pacific	United States
	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent	Per-cent
1975.....	7.4	6.9	6.9	6.7	7.5	7.7	7.1	7.0	6.9	6.9	7.0
1976.....	7.4	7.0	7.2	6.9	7.6	7.8	7.3	7.1	7.1	7.1	7.6
1977.....	7.4	7.2	7.3	7.1	7.5	7.7	7.5	7.1	7.2	7.3	7.6
1978.....	7.4	7.3	7.5	7.3	7.7	7.8	7.8	7.3	7.3	7.5	7.4
1979.....	7.7	7.8	7.9	7.7	8.2	8.3	8.0	7.6	7.7	7.9	7.9
1980.....	8.3	8.3	8.3	8.4	8.5	8.6	8.4	8.0	8.2	8.2	8.3
1981.....	9.0	8.9	9.2	9.4	9.3	9.2	9.3	8.7	8.8	8.6	9.1
1982.....	9.6	9.6	9.9	10.1	10.1	9.9	10.1	9.3	9.3	9.1	9.7
1983.....	9.9	9.7	8.3	9.8	10.2	10.1	10.1	9.3	9.1	9.3	9.7
1984.....	9.9	9.4	9.6	9.5	10.2	9.7	10.0	9.1	9.0	9.3	9.6
1985.....	8.7	9.1	11.2	9.1	9.0	9.7	9.3	9.3	9.1	9.2	9.4
1986.....	8.5	8.9	8.9	9.0	8.9	9.5	9.4	9.0	8.4	9.1	9.1
1987.....	8.4	9.0	8.9	9.0	8.8	9.7	9.0	8.9	8.9	9.2	9.0
1988.....	9.1	9.2	9.3	9.2	9.1	9.2	9.3	9.4	9.1	9.3	9.2
1989 ³	9.5	9.5	9.5	9.4	9.6	9.8	9.5	9.6	9.3	9.6	9.5

¹ Includes operator households. For States included in regions, see footnote 1, table 587. ² Contract rates. Excludes Alaska and Hawaii. ³ Preliminary.

Economic Research Service.

Table 592.—Farm real estate debt: Interest charges on debt outstanding, by farming regions,¹ 1975-89²

Year	Northeast	Lake States	Corn Belt	Northern Plains	Appalachian	Southeast
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	184,826	314,743	729,633	331,056	261,671	276,810
1976.....	200,174	357,745	858,137	391,688	297,482	307,056
1977.....	215,741	423,396	1,019,455	469,839	326,389	332,079
1978.....	237,652	503,081	1,249,776	558,425	375,725	378,299
1979.....	285,209	641,902	1,556,499	685,717	463,895	457,806
1980.....	352,420	812,402	1,891,536	866,550	564,840	544,509
1981.....	416,972	977,471	2,326,800	1,089,209	682,172	649,493
1982.....	471,664	1,146,370	2,662,143	1,250,758	783,925	748,786
1983.....	499,186	1,202,708	2,275,521	1,255,045	811,025	776,740
1984.....	489,187	1,178,545	2,620,758	1,219,294	802,759	750,599
1985.....	409,346	1,098,373	2,898,655	1,118,558	680,025	728,177
1986.....	375,178	991,447	2,086,736	1,013,109	623,881	669,112
1987.....	345,042	888,394	1,876,072	911,247	570,831	591,939
1988.....	363,697	833,064	1,812,211	857,668	576,292	570,801
1989 ³	383,133	803,475	1,779,135	837,967	595,261	586,812

Year	Delta States	Southern Plains	Mountain	Pacific	United States
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	196,369	328,302	316,311	382,639	3,336,106
1976.....	217,570	359,848	363,359	432,657	4,013,556
1977.....	246,421	388,008	416,640	499,876	4,558,857
1978.....	287,170	438,673	482,355	591,655	5,087,124
1979.....	348,636	518,364	582,181	720,886	6,265,249
1980.....	425,931	606,123	707,006	862,696	7,654,281
1981.....	527,830	712,939	842,792	1,028,311	9,287,378
1982.....	615,260	804,138	931,266	1,173,750	10,645,281
1983.....	631,107	840,200	940,240	1,261,036	10,951,371
1984.....	618,986	846,232	930,546	1,287,243	10,848,079
1985.....	547,523	855,968	903,558	1,243,235	10,268,899
1986.....	498,247	792,849	777,529	1,163,033	9,172,844
1987.....	429,491	732,238	744,844	1,093,636	8,209,120
1988.....	405,835	711,105	693,636	1,038,272	7,887,692
1989 ³	389,108	669,909	663,002	1,049,245	7,781,976

¹ Includes operator households. For States included in regions, see footnote 1, table 587. ² Interest charges during calendar year. ³ Preliminary.

Economic Research Service.

**Table 593.—Farm real estate debt: Amount outstanding by lender, United States,
Dec. 31, 1974-89**

Year	Federal land banks ¹	Farmers Home Administration ²	Life insurance companies ³	All operating banks ⁴	Individuals and others ⁵	CCC storage and drying facility	Total farm mortgage debt
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1974.....	13,469,950	3,214,657	6,297,400	5,966,282	15,757,000	216,909	44,922,195
1975.....	16,029,465	3,368,747	6,726,000	6,296,286	17,262,000	170,387	49,852,886
1976.....	18,565,304	3,657,467	7,400,200	6,781,410	18,864,000	143,532	55,411,913
1977.....	21,540,898	3,982,054	8,819,400	7,780,261	21,335,000	491,756	63,949,367
1978.....	24,816,128	4,121,000	10,475,200	8,556,539	23,638,000	1,147,611	72,756,475
1979.....	29,819,632	6,575,481	12,165,300	8,623,281	27,880,000	1,390,863	86,754,557
1980.....	36,196,104	8,163,270	12,927,800	8,563,457	30,180,000	1,456,359	97,486,994
1981.....	43,825,201	8,876,989	13,073,900	8,342,245	31,770,000	1,342,159	107,230,492
1982.....	47,821,594	9,169,874	12,801,546	8,391,800	32,000,000	1,127,227	111,312,040
1983.....	48,929,289	9,549,631	12,717,600	9,317,100	32,320,000	887,935	113,721,549
1984.....	49,077,803	10,073,213	12,443,200	10,186,133	29,900,000	623,093	112,303,442
1985.....	44,583,842	10,426,971	11,836,400	11,384,920	27,200,000	307,068	105,739,201
1986.....	37,757,626	10,348,597	10,940,200	12,710,650	24,000,000	122,726	95,879,799
1987.....	32,637,687	10,083,239	9,895,800	14,455,162	20,600,000	45,712	87,717,601
1988.....	30,326,707	9,606,796	9,581,700	15,416,700	18,000,000	20,615	82,952,518
1989 ⁶	28,501,000	8,719,834	9,597,900	16,646,179	17,000,000	11,575	80,476,491

¹ Includes operator households. Includes regular mortgages, purchase-money mortgages, and sales contracts.
² Includes farm ownership loans, soil and water loans to individuals, rural and labor housing loans on farms and association loans for grazing, and for Indian tribe land acquisition. ³ Compiled by American Council of Life Insurance. ⁴ Includes all operating commercial, savings, and private banks. ⁵ Estimated by ERS. ⁶ Preliminary.

Economic Research Service.

**Table 594.—Nonreal estate farm debt: Amount outstanding, by lender, United States,
Dec. 31, 1975-89 ¹**

Year	Debt owed to reporting institutions (excluding CCC)					Debts owed to individuals and others	Total excluding CCC loans	Price-support and storage loans made or guaranteed by CCC ²	Total including CCC loans
	All operating banks	Production credit association	Federal intermediate credit banks ²	Farmers Home Administration	Total				
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1975.....	20,160	10,770	350	1,772	33,052	8,553	41,605	232	41,837
1976.....	23,283	12,249	368	1,877	37,777	9,989	47,766	936	48,702
1977.....	25,709	13,519	374	3,141	42,743	12,244	54,987	4,146	59,133
1978.....	28,273	14,967	509	5,780	49,529	14,297	63,826	4,646	68,472
1979.....	31,034	18,113	665	9,305	59,387	16,610	75,727	3,714	79,441
1980.....	31,564	19,729	810	11,397	63,500	17,721	81,221	3,836	85,057
1981.....	32,858	21,203	913	14,438	69,412	18,780	88,192	6,888	95,080
1982.....	36,128	20,507	871	14,746	72,252	19,530	91,783	15,204	106,987
1983.....	39,026	19,314	850	14,608	73,798	18,945	92,744	10,576	103,320
1984.....	39,339	17,934	875	15,613	74,021	18,000	92,021	8,428	100,449
1985.....	35,513	14,026	537	16,721	66,797	15,378	82,174	17,598	99,772
1986.....	31,240	10,460	275	16,392	58,367	12,391	70,758	19,190	89,948
1987.....	29,041	9,603	165	16,049	54,858	11,139	65,997	15,120	81,117
1988.....	29,799	9,131	n.a.	14,658	53,588	12,000	65,588	8,902	74,490
1989 ⁴	30,782	9,885	n.a.	12,322	52,989	12,500	65,489	5,225	70,714

¹ Includes operator households. ² Loans to and discounts for livestock loan companies and agricultural credit corporations; after 1987, included with Production Credit Association loans. ³ Although price-support loans of the Commodity Credit Corporation (CCC) are nonrecourse loans, they are treated as debts. Borrowers must either pay them or deliver the commodities on which they are based. ⁴ Preliminary. n.a. not available.

Economic Research Service.

Table 595.—Interest rates: Selected series, United States, 1975-89 ¹

Year	Federal land banks		Production credit associations, average cost of loans ⁴	Federal intermediate credit banks		Banks for cooperatives		Prime commercial paper (4-6 months) ⁷	Federal Reserve Bank discount rates, New York ⁸
	Average rate on new loans ²	Bond rates ³		Discount rates ⁵	Bond rates ³	Rates on loans ⁶	Bond rates ³		
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1975	8.69	7.60	8.91	8.14	6.88	7.25-10.50	7.03	6.32	6.25
1976	8.66	7.51	8.24	7.36	6.40	7.25-8.75	6.14	5.34	5.50
1977	8.39	7.37	7.88	6.94	6.53	6.50-8.00	6.76	5.61	5.46
1978	8.35	7.68	8.81	8.06	8.15	7.75-9.75	8.66	7.99	7.46
1979	9.20	8.74	10.71	10.21	10.37	10.00-12.75	11.09	10.91	10.28
1980	10.39	9.71	12.86	12.33	11.10	11.00-16.00	11.34	12.29	11.77
1981	11.27	11.65	14.89	14.25	14.18	14.75-16.50	14.14	14.76	13.42
1982	12.27	11.88	14.34	13.56	11.74	11.00-15.00	11.45	11.89	11.02
1983	11.63	11.83	11.49	10.55	10.26	9.85-10.90	10.71	8.89	8.50
1984	11.73	11.90	12.68	11.25	11.0	10.50-11.75	11.2	10.16	8.80
1985	12.25	11.50	12.40	11.68	9.4	9.00-10.75	10.5	8.01	7.69
1986	11.61	10.72	11.22	10.50	8.1	7.75-9.50	9.0	6.39	6.33
1987	11.10	10.50	10.20	10.25	8.6	8.00-9.75	9.5	6.85	5.66
1988	10.10	9.75	10.56	8.92	9.75	7.75-9.50	8.96	7.68	6.20
1989								8.80	6.93

¹ Includes operator households. ² Contract rates on loans through Federal land bank associations. In computing the average rates, each Farm Credit district is given equal weight. ³ Weighted average net cost to banks of bonds outstanding at end of year. ⁴ Rate represents interest (ss patronage refunds), service fees, cost of record searches, and filing and releasing mortgages, etc., paid by borrowers as percentage of average loans outstanding during year. ⁵ Annual interest income on loans, discounts, and notes receivable as a percentage of average balance of such items outstanding during the year. ⁶ Excludes rates on loans secured by CCC documents. ⁷ Board of Governors of the Federal Reserve System and Economic Report of the President. Annual averages of prevailing open-market rates in New York City. Beginning November 1979, data are for 6-months paper. ⁸ Board of Governors of the Federal Reserve System and Economic Report of the President. Annual average in discount rates.

Economic Research Service and Farm Credit Administration.

Table 596.—Farm Credit System: Loans and discounts outstanding, United States, Jan. 1, 1975-90 ¹

Year	Federal land banks	Production credit		Banks for cooperatives	Net total
		Production credit associations	Other financing institutions		
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975	13,863,752	9,560,649	403,402	3,575,483	27,403,286
1976	16,563,886	10,825,963	372,860	3,978,861	31,741,570
1977	19,126,749	12,297,052	385,185	5,061,669	36,870,655
1978	22,137,172	13,584,981	395,497	5,731,719	41,849,369
1979	25,626,461	15,112,202	534,139	6,217,025	47,489,827
1980	31,283,736	18,418,110	702,229	8,147,557	58,551,632
1981	38,137,543	20,160,313	845,007	9,505,526	68,648,389
1982	46,463,259	21,661,966	937,936	9,125,217	78,188,378
1983	50,375,306	20,711,081	895,376	8,259,607	80,242,112
1984	51,077,834	19,314,795	878,310	8,670,754	79,890,382
1985	50,676,659	17,543,283	926,386	8,640,733	77,187,992
1986	42,849,819	13,327,688		7,763,809	63,941,316
1987	33,952,200	9,906,067		7,005,092	50,863,359
1988	30,170,877	8,540,456		7,713,522	46,424,855
1989 ²	27,882,633	8,608,758		7,420,263	43,911,654
1990 ³				11,135,798	

¹ Includes Puerto Rico. ² FLB data is pro forma data only. ³ FLB and PCA data are not available. Farm Credit Administration.

Table 597.—Production credit associations: Number of associations and loans outstanding on specified dates, 1988 and 1989, by Districts

District	Production credit associations Jan. 1, 1989	Loans outstanding ¹		
		1988		1989
		Jan. 1	July 1	Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Springfield.....	13	584,092	632,601	689,185
Baltimore.....	23	694,014	756,239	771,704
Columbia.....	1	682,769	765,647	668,991
Louisville.....	7	701,090	800,981	788,812
Jackson.....	2	345,852	381,982	331,099
St. Louis.....	4	457,972	505,484	494,865
St. Paul.....	23	1,613,398	1,633,400	1,496,431
Omaha.....	3	351,974	411,199	418,350
Wichita.....	16	431,848	407,939	451,303
Texas.....	23	742,947	685,646	685,158
Western.....	19	1,664,227	1,582,454	1,540,567
Spokane.....	8	294,250	319,954	272,293
Total.....	142	8,564,433	8,883,526	8,608,758

¹ Includes loans, notes, sales contracts and leases.

Farm Credit Administration.

Table 598.—Farmers' cooperatives: Types, numbers, and memberships, United States

Type	Year or date of data	Associations	Estimated memberships or participants
Marketing and farm supply, and related service:			
Marketing ¹	1989.....	² 2,550	1,855,761
Farm supply ¹	1989.....	³ 1,803	2,035,173
Related services ⁴	1989.....	⁵ 446	242,608
Service:			
Federal land bank associations ⁶	Dec. 31, 1989.....	146	n.a.
Production credit associations ⁶	Dec. 31, 1989.....	84	n.a.
Rural credit unions ⁷	Dec. 31, 1989.....	810	3,456
Rural electric cooperatives ⁸	Dec. 31, 1989.....	⁹ 903	¹⁰ 10,682
Rural telephone cooperatives ⁸	Dec. 31, 1989.....	241	1,132
Production:			
Dairy herd improvement associations ¹¹	Dec. 31, 1989.....	n.a.	33,301

¹ Agricultural Cooperative Service, U.S. Department of Agriculture. ² When associations marketing farm products but principally engaged in providing some other services are included, the total is 3,183. ³ When associations purchasing farm supplies but principally engaged in providing some other services are included, the total is 3,531. ⁴ Includes trucking, storage, grinding, locker plant, and other services. ⁵ When associations providing miscellaneous services but principally engaged in marketing or farm-supply activities are included, the total is 3,308. ⁶ Farm Credit Administration. ⁷ Credit Union National Association, Inc. ⁸ Rural Electrification Administration, U.S. Department of Agriculture. ⁹ Includes associations that are REA repaid borrowers. ¹⁰ Includes only memberships of associations financed by REA. ¹¹ Agriculture Research Service, U.S. Department of Agriculture.

n.a. not available.
Agricultural Cooperative Service.

Table 599.—Farmers Home Administration: Loans made to individuals and organizations for housing purposes, and loans outstanding, United States and Territories, 1975-90 ¹

Year	Rural housing loans			Farm labor housing loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	112,071	2,334,202	8,051,996	97	8,066	23,336
1976.....	94,522	2,054,706	9,815,075	71	10,366	26,945
1977.....	113,365	2,687,028	11,083,704	87	5,490	30,803
1978.....	114,018	3,060,481	12,596,054	85	11,655	38,285
1979.....	85,435	2,556,434	14,495,475	207	36,034	² 40,542
1980.....	84,239	2,765,947	16,130,400	181	24,974	54,631
1981.....	70,850	2,478,378	18,075,547	203	17,512	74,984
1982.....	65,567	2,554,027	19,642,741	109	10,962	97,659
1983.....	49,457	1,970,487	21,181,379	65	4,170	115,580
1984.....	46,011	1,880,689	21,946,326	69	5,815	123,648
1985.....	42,702	1,785,748	22,357,923	91	17,269	122,616
1986.....	24,804	1,052,524	22,666,367	51	10,376	³ 122,954
1987.....	27,670	1,244,699	22,008,584	46	11,375	³ 122,954
1988.....	30,170	1,347,109	18,558,816	54	12,438	135,792
1989.....	26,938	1,236,058	18,588,745	52	10,583	133,877
1990.....			18,669,914			136,192

Year	Rural rental housing loans			Rural housing site and self-help land development		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	1,034	330,757	283,906	6	1,531	3,369
1976.....	1,090	433,253	531,051	5	954	4,526
1977.....	1,243	646,798	758,726	10	2,098	4,789
1978.....	1,157	729,231	1,069,590	9	3,891	4,688
1979.....	1,153	852,689	² 1,369,615	19	4,039	² 4,481
1980.....	1,087	783,683	2,403,332	7	928	5,283
1981.....	1,146	814,452	3,210,140	5	1,189	7,551
1982.....	1,244	966,670	3,864,875	0	134	5,945
1983.....	1,032	798,591	4,540,754	1	310	4,413
1984.....	1,132	937,433	5,234,310	1	213	3,279
1985.....	1,151	963,945	5,926,748	2	1,275	1,088
1986.....	657	561,395	³ 6,080,462	1	666	³ 1,045
1987.....	664	606,774	³ 6,080,462	3	654	³ 1,045
1988.....	567	558,503	7,922,513	0	0	995
1989.....	576	570,677	8,427,460	2	928	783
1990.....			9,030,731			1,364

¹ Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

² Latest data available as of September 30, 1978.

³ Latest data available as of March 31, 1985.

Farmers Home Administration.

Table 600.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1975-90 ¹

Year	Loans to individuals											
	Farm ownership			Soil and water			Recreation			Operating		
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1975	7,278	355,161	2,644,583	509	6,645	30,541	15	664	7,314	19,166	536,988	923,550
1976	9,553	496,299	2,826,745	3,641	57,211	31,104	24	1,835	7,771	16,549	549,531	1,026,091
1977	9,026	501,871	3,040,962	3,334	60,493	77,283	18	1,079	8,929	15,529	539,233	1,033,648
1978	10,469	629,639	3,300,445	2,934	53,159	130,084	27	1,677	9,709	23,105	851,109	1,077,517
1979	9,743	831,493	3,609,729	2,158	53,683	174,658	22	2,722	10,795	19,892	949,165	1,487,523
1980	9,308	830,623	4,280,875	2,333	55,720	218,573	16	1,855	12,388	16,612	812,559	1,599,927
1981	7,948	717,373	4,876,025	1,530	43,325	262,050	11	1,450	14,133	17,104	820,626	1,854,440
1982	6,719	664,528	5,374,765	982	20,231	290,999	4	712	15,309	21,235	1,276,512	2,058,160
1983	7,035	770,583	5,852,702	709	12,710	297,737	0	0	15,420	25,022	1,750,088	2,499,344
1984	6,368	735,359	6,408,540	613	12,147	296,855	0	0	14,179	25,121	2,213,098	3,050,446
1985	5,269	661,123	6,957,978	393	9,018	296,346	0	0	13,848	38,749	4,694,346	3,750,587
1986	3,930	550,440	7,471,575	220	4,899	295,932	0	0	12,989	24,218	3,571,197	5,219,061
1987	2,583	391,165	7,592,580	199	4,647	285,430	0	0	11,900	16,699	2,449,059	5,224,707
1988	3,468	497,832	7,410,986	296	4,972	274,302	0	0	10,359	11,749	1,786,647	5,441,015
1989	2,585	369,681	7,150,033	304	6,199	255,308	0	0	10,234	10,300	1,679,272	5,021,322
1990			6,656,773			225,308			9,271		4,348,195	

See footnotes at end of table.

Table 600.—Farmers Home Administration: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 1975-90¹—Continued

Year	Loans to associations						Economic opportunity individual loans			Economic emergency loans			Emergency livestock loans		
	Indian tribe land acquisition			Grazing association			Irrigation, drainage, and soil conservation			New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1
	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1	New borrowers	Loans made	Out-standing Jan. 1						
	Number	1,000 dol. tars	1,000 dol. tars	Number	1,000 dol. tars	1,000 dol. tars	Number	1,000 dol. tars	1,000 dol. tars	Number	1,000 dol. tars	1,000 dol. tars	Number	1,000 dol. tars	1,000 dol. tars
1975.....	8	8,715	16,864	9	4,290	77,553	12	1,336	9,822						
1976.....	0	11,063	23,109	9	3,937	77,073	12	4,812	7,960						
1977.....	4	13,414	33,123	6	4,948	77,589	9	5,274	9,541						
1978.....	0	6,500	45,658	3	1,703	78,314	2	86	12,710						
1979.....	1	11,000	50,845	4	5,585	78,371	7	1,019	13,240						
1980.....	1	6,380	60,912	0	160	75,262	3	233	18,322						
1981.....	1	4,542	62,386	0	0	74,638	2	236	18,255						
1982.....	1	62	67,990	0	0	69,350	3	1,243	18,168						
1983.....	0	7,450	68,427	0	0	66,748	0	0	18,018						
1984.....	0	2,620	70,564	0	0	63,536	0	0	17,500						
1985.....	1	1,406	82,631	0	0	60,263	0	0	17,920						
1986.....	1	1,404	83,360	0	0	58,155	0	0	17,479						
1987.....	0	0	85,516	0	0	56,660	0	0	16,986						
1988.....	0	2,000	88,854	0	0	54,714	0	0	16,278						
1989.....	1	461	85,867	0	0	52,833	0	0	14,837						
1990.....	0	120	85,959	0	0	47,559	0	0	13,869						

¹ Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency. ² Latest data available as of September 30, 1978. ³ Discontinued.

Farmers Home Administration.

Table 601.—Farmers' marketing, farm supply, and related service cooperatives: Number, memberships, and business, United States, 1976/77-89

Year ¹	Cooperatives ²				Estimated memberships ⁴				Estimated service receipts ⁵
	Market- ing	Farm supply	Related service ³	Total	Market- ing	Farm supply	Related service ³	Total	
	Number	Number	Number	Number	1,000 members	1,000 members	1,000 members	1,000 members	
1976/77	4,008	2,593	135	6,736	2,655	3,066	37	5,758	893
1978 ⁶	3,930	2,550	120	6,600	2,595	3,063	37	5,695	948
1979	3,825	2,507	113	6,445	2,531	3,060	36	5,627	1,054
1980	3,808	2,369	116	6,293	2,542	2,804	32	5,379	1,209
1981	3,743	2,356	112	6,211	2,452	2,856	27	5,335	1,190
1982	3,714	2,299	112	6,125	2,444	2,666	25	5,135	1,394
1983	3,647	2,208	134	5,989	2,308	2,553	95	4,955	1,468
1984	3,514	2,136	132	5,782	2,317	2,397	128	4,842	1,522
1985	3,441	2,036	148	5,625	2,214	2,398	169	4,781	1,640
1986	3,280	1,971	138	5,389	2,140	2,310	150	4,600	1,760
1987	3,054	1,941	114	5,109	2,026	2,282	132	4,440	1,891
1988	2,983	1,836	113	4,937	1,912	2,142	141	4,195	1,939
1989 ⁶	2,550	1,803	⁹ 446	4,799	1,856	2,035	243	4,134	1,974

Year ¹	Marketing volume		Farm supply volume		Total marketing and farm supply volume and service receipts	
	Estimated gross business ¹⁰	Estimated net business ¹¹	Estimated gross business ¹⁰	Estimated net business ¹¹	Estimated gross business ¹⁰	Estimated net business ¹¹
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
1976/77	40,804	32,134	17,791	10,557	59,488	43,584
1978 ⁶	45,072	35,306	18,605	11,052	64,625	47,305
1979	53,669	41,693	22,670	13,521	77,392	56,268
1980	63,650	48,911	27,660	16,134	92,520	66,254
1981	70,162	53,285	30,127	17,059	101,479	71,534
1982	65,600	51,394	28,105	16,362	95,099	69,150
1983	61,209	49,344	26,053	15,943	88,730	66,755
1984	67,627	54,556	27,723	16,969	96,871	73,047
1985	57,033	47,321	26,424	16,641	85,097	65,601
1986	47,595	41,540	23,623	15,095	72,978	58,395
1987	50,315	44,156	22,536	14,271	74,742	60,318
1988	56,204	49,067	23,993	15,424	82,137	66,430
1989 ⁶	60,025	52,571	25,502	16,565	87,502	71,110

¹ Reports of cooperatives are included either for the calendar year or for fiscal years ending between July 1 of the calendar year shown and June 30 of the following year, with limited exceptions. Reports of cooperatives are included for the calendar year beginning 1976. ² Includes independent local cooperatives, centralized cooperatives, federations of cooperatives and cooperatives with mixed organizational structures. Cooperatives are classified according to their major activity. If, for example, more than 50 percent of a cooperative's business is derived from marketing activities, it is included as a marketing cooperative. ³ Includes cooperatives whose major activity is providing services related to marketing and farm supply activities. ⁴ Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (Some duplication exists because some farmers belong to more than one cooperative.) ⁵ Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities. ⁶ Estimated. ⁷ Number of memberships was up significantly due to inclusion of additional related service cooperatives. ⁸ Preliminary. ⁹ Increased number due to a reclassification of cotton ginning cooperatives from marketing to related services. ¹⁰ Estimated gross business includes all business reported between cooperatives, such as the wholesale business of farm supply cooperatives with other cooperatives or terminal market sales for local cooperatives. ¹¹ Estimated net business represents the value at the first level at which cooperatives transact business for farmers. Figures are adjusted for duplication resulting from intercooperative business.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

Table 602.—Farmers' cooperatives: Number of marketing, farm supply, and related service cooperatives and business volume, United States, 1988 and 1989 (preliminary)

Item	Cooperatives handling		Gross business, 1988	Net business, ¹ 1988
	1988	1989 ²		
	Number	Number	1,000 dollars	1,000 dollars
Products marketed:				
Beans and peas (dry edible).....	55	44	143,787	142,073
Cotton and cotton products.....	368	370	2,109,577	1,876,353
Dairy products.....	263	260	19,320,221	17,792,748
Fruits and vegetables.....	306	315	7,047,112	6,604,044
Grain, soybeans and soybean meal and oil.....	2,050	1,791	16,647,251	12,628,489
Livestock and livestock products.....	318	276	3,784,331	3,338,523
Nuts.....	38	26	793,882	793,882
Poultry products.....	43	24	1,182,415	1,027,844
Rice.....	56	51	787,548	787,548
Sugar products.....	38	46	2,041,969	1,871,452
Tobacco.....	33	27	747,713	747,713
Wool and mohair.....	155	142	49,698	24,909
Miscellaneous ³	120	71	1,548,880	1,431,280
Total farm products.....	4 3,463	4 3,183	56,204,384	49,066,857
Supplies purchased:				
Building materials.....	1,790	1,444	483,665	384,486
Containers.....	505	407	313,204	143,947
Farm chemicals.....	2,907	2,671	2,263,554	1,339,175
Farm machinery and equipment.....	1,605	1,256	435,481	285,377
Feed.....	2,829	2,602	5,464,987	3,807,034
Fertilizer.....	2,899	2,703	5,344,266	2,976,786
Meats and groceries.....	350	294	119,411	119,247
Petroleum products.....	2,313	2,215	7,071,190	4,416,119
Seed.....	2,907	2,635	717,929	540,026
Other supplies ⁴	3,363	3,029	1,779,727	1,412,252
Total farm supplies.....	4 3,778	4 3,531	23,993,395	15,424,449
Receipts for services:				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	4 3,705	4 3,308	1,939,138	1,939,138
Total business.....	4 4,937	4 4,799	82,136,917	66,430,444

¹ Represents value at the first level at which cooperatives transact business for farmers. ² Revised. ³ Includes coffee, fish, forest products, fur pelts, hay, hops, nursery stock, tung oil, and other farm products not separately classified. ⁴ Because many cooperatives do more than one type of business, these totals are less than the number that would be obtained by adding the number of cooperatives marketing individual products, handling individual supplies, or providing individual service. Inactive cooperatives not included. ⁵ Includes automotive supplies, hardware, chicks, and other supplies not separately classified. ⁶ Receipts for services related to marketing and purchasing activities, but not included in the volumes reported for these activities.

Agricultural Cooperative Service. Based on records from cooperatives reporting to the Service.

Table 603.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by States, 1987 and 1989 (preliminary)

State	Cooperatives headquartered in State		Cooperatives doing business in State ¹		Memberships in State, 1987 ³	Net business, ² 1987 ³
	1987 ³	1989	1987 ³	1989		
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>
AL.....	77	73	88	83	84,736	652,652
AK.....	1		1		14	(*)
AZ.....	14	12	23	19	63,880	510,587
AR.....	94	91	109	106	73,922	1,134,539
CA.....	209	202	224	216	78,286	6,879,720
CO.....	70	64	85	78	39,673	620,333
CT.....	5	5	10	10	4,556	172,062
DE.....	5	3	12	7	17,257	83,290
FL.....	53	52	68	67	32,729	1,608,372
GA.....	17	16	30	28	59,879	(*)
HI.....	29	26	29	26	4,140	(*)
ID.....	55	52	69	65	39,424	569,188
IL.....	261	257	276	272	244,109	3,171,979
IN.....	71	75	92	97	170,881	1,413,846
IA.....	322	304	347	328	257,715	4,913,813
KS.....	218	214	233	229	194,766	1,880,627
KY.....	76	62	94	77	248,529	714,507
LA.....	64	62	81	78	16,354	505,083
ME.....	7	7	11	11	9,769	155,898
MD.....	21	18	32	27	72,420	403,782
MA.....	12	13	17	18	8,111	504,904
MI.....	88	87	107	106	85,070	1,545,629
MN.....	519	467	545	490	370,660	4,373,010
MS.....	131	116	149	132	86,017	757,725
MO.....	91	87	118	113	177,328	1,738,579
MT.....	109	101	120	111	38,439	307,089
NE.....	210	196	229	214	164,182	1,964,920
NV.....	2	1	8	4	406	(*)
NH.....	2	2	9	9	2,840	(*)
NJ.....	18	19	28	30	10,353	300,264
NM.....	13	12	20	18	4,078	42,299
NY.....	170	168	172	170	84,178	2,109,407
NC.....	31	29	48	45	101,692	566,496
ND.....	371	342	386	356	150,095	1,899,268
OH.....	134	117	149	130	134,754	2,216,370
OK.....	135	132	149	146	86,625	818,851
OR.....	51	46	63	57	41,075	859,979
PA.....	76	72	86	81	71,856	1,679,867
RI.....			3	3	800	(*)
SC.....	13	10	24	18	25,048	176,951
SD.....	215	200	231	214	154,495	921,741
TN.....	95	92	113	109	138,179	619,229
TX.....	346	325	362	340	125,304	2,119,035
UT.....	32	30	40	38	17,090	315,458
VT.....	10	9	17	15	8,741	354,395
VA.....	97	87	110	99	219,575	841,633
WA.....	108	106	123	121	50,518	1,497,612
WV.....	43	32	56	42	67,679	128,253
WI.....	300	287	327	313	293,384	4,511,062
WY.....	18	19	24	25	8,129	51,403
US.....	5,109	4,799			4,439,740	59,793,571
Foreign.....			12	12	⁵ 259	524,152
Total.....	5,109	4,799			4,439,999	60,317,723

¹ Includes cooperatives headquartered both in and outside the State handling business originating in the State. No totals can be shown because of duplication. Data not available for 1988 due to sampling methodology. ² Represents value at the first level at which cooperatives transact business for farmers. Totals may not add due to rounding.

³ Data for 1987 are shown where 1988 data are not available. Statistics for 1988 are presented on a national basis only. ⁴ Dollar volume is not shown to avoid disclosing operations of individual cooperatives. ⁵ Sales outside the United States, sales to domestic military installations, and sales of certain products not received directly from member-patrons.

Agricultural Cooperative Service.

Table 604.—Rural Electrification Administration: Long-term financing approved by purpose, by States and Territories, from organization (May 11, 1935) to Jan. 1, 1990 ¹

State and Territory	Bor- rowers	Total financing			Financing to cooperative associations ³		Financing by purpose			Miles of line provided for by financ- ing ⁶	Consum- ers provided for by financ- ing ⁶
		REA loans	Non-REA financing		Bor- rowers	Amount ^{2 4}	Distribu- tion	Generation and transmis- sion ^{2 4}	Con- sumer facili- ties ⁵		
			With REA guaran- tee	Without REA guaran- tee ²							
	Num- ber	1,000 dollars	1,000 dollars	1,000 dollars	Num- ber	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Number
AL	27	412,034	338,201	137,275	24	873,529	346,931	539,221	1,359	54,207	424,874
AK	16	724,547	279,439	99,648	14	1,050,341	457,707	644,838	1,089	9,685	167,291
AZ	14	206,110	337,679	44,001	8	553,561	180,728	406,572	490	16,030	129,468
AR	21	683,228	877,929	193,007	20	1,753,641	603,056	1,146,636	4,471	62,266	389,024
CA	10	75,517	0	5,363	7	56,394	67,018	13,805	56	6,379	74,945
CO	24	908,448	1,407,985	456,386	24	2,772,819	666,164	2,106,580	74	59,976	312,816
CT	0	0	0	0	0	0	0	0	0	0	0
DE	1	39,866	0	11,738	1	51,604	50,740	861	3	3,847	43,381
FL	18	697,729	865,457	466,327	16	2,029,301	833,917	1,193,078	2,519	56,002	656,617
GA	48	1,083,562	4,871,249	1,522,091	46	7,476,638	1,399,093	6,074,850	2,959	123,670	1,170,975
HI	0	0	0	0	0	0	0	0	0	0	0
ID	10	126,451	0	22,144	10	148,594	125,914	21,484	1,197	11,469	47,833
IL	29	468,721	977,608	133,257	28	1,579,505	429,011	1,150,363	212	53,937	233,433
IN	48	377,179	1,926,888	422,362	47	2,275,999	332,465	2,393,247	717	51,413	364,047
IA	55	626,156	256,223	93,065	52	973,844	418,240	556,807	397	65,542	189,324
KS	38	493,787	692,489	89,831	37	1,276,461	430,626	845,427	415	70,910	193,586
KY	29	896,551	2,234,761	469,977	28	3,601,288	700,997	2,929,133	1,159	74,422	596,994
LA	20	558,591	3,077,621	220,430	18	3,848,145	556,957	3,299,508	177	46,182	405,416
ME	4	24,537	0	769	4	25,306	21,725	3,537	44	1,755	15,036
MD	2	160,105	0	73,152	2	233,257	173,228	60,029	0	11,351	120,658
MA	0	0	0	0	0	0	0	0	0	0	0
MI	14	340,237	822,063	52,676	14	1,214,976	274,501	940,001	473	30,739	219,231
MN	52	913,630	1,231,940	337,751	50	2,482,363	779,228	1,699,747	4,346	109,396	513,416
MS	29	582,753	713,709	180,083	27	1,473,845	609,925	865,926	694	76,822	565,541
MO	49	1,053,450	910,064	414,775	48	2,378,254	781,354	1,596,114	821	110,033	557,110
MT	26	290,616	9,739	32,009	26	332,364	268,884	63,251	229	44,020	106,687
NE	36	443,746	0	27,485	4	65,261	367,511	103,158	562	75,234	170,127
NV	8	72,431	1,689	6,809	3	67,869	58,768	21,913	248	6,004	18,546
NH	1	100,398	146,182	8,696	1	255,276	103,050	152,194	32	4,616	64,601
NJ	2	13,400	0	3,331	2	16,730	15,585	1,141	4	813	11,960
NM	18	314,644	387,682	140,059	17	842,250	269,911	569,464	3,010	38,876	159,430
NY	6	27,719	0	6,629	5	32,485	34,089	174	85	4,586	22,083
NC	35	635,772	1,513,370	353,760	30	2,502,007	705,218	1,793,048	4,635	71,255	660,866
ND	28	881,613	2,321,089	849,008	26	4,046,111	450,233	3,599,491	1,986	67,461	113,321
OH	29	349,004	72,110	414,271	28	829,142	339,972	495,194	218	40,027	262,214
OK	29	856,061	637,093	203,578	27	1,696,431	821,861	872,195	2,676	95,117	444,476
OR	18	239,665	54,128	52,888	17	335,335	250,005	96,439	237	21,802	114,149
PA	13	220,964	607,713	67,289	13	895,967	256,868	638,860	239	24,552	183,495
RI	0	0	0	0	0	0	0	0	0	0	0
SC	27	658,687	523,036	239,811	25	1,417,028	655,204	764,099	2,231	55,578	479,516
SD	34	450,282	13,628	27,847	34	491,757	357,763	133,113	881	63,561	126,528
TN	32	350,910	0	84,430	20	399,637	431,422	3,873	45	66,500	686,496
TX	101	2,058,341	1,156,646	477,768	99	3,635,019	2,037,600	1,652,631	2,524	251,084	1,307,192
UT	6	71,810	1,036,342	215,150	6	1,323,302	58,050	1,265,127	124	5,730	22,518
VT	3	53,516	50,726	5,918	3	110,160	40,306	68,950	903	2,713	19,857
VA	19	432,246	263,000	123,165	18	818,218	517,182	300,562	667	39,047	313,021
WA	23	187,499	0	30,735	11	157,775	208,081	9,901	252	20,064	95,243
WV	1	6,982	0	616	1	7,598	7,593	0	5	725	5,894
WI	31	458,618	260,679	103,740	30	822,946	284,898	536,330	1,809	42,490	192,528
WY	15	229,427	2,585	21,444	14	253,377	187,444	65,910	101	27,637	74,669
US	1,099	20,857,537	30,879,101	8,942,546	985	59,933,711	18,937,024	41,694,786	47,374	2,175,525	13,046,433
PR	1	266,157	0	16,499	0	0	243,102	39,554	0	15,993	528,062
VI	1	430	0	0	0	0	234	197	0	85	912
Total	1,101	21,124,124	30,879,101	8,959,045	985	59,933,711	19,180,359	41,734,537	47,374	2,191,603	13,575,407

¹ State total represents data for borrowers incorporated within the State. ² Includes loans obtained by REA borrowers' affiliates specifically organized to facilitate non-REA financing. ³ Totals for other types of borrowers are as follows: Public Power Districts, 54 borrowers, \$507,423,509; municipalities and other Government authorities, 36 borrowers, \$487,180,334; power companies, 26 borrowers, \$33,955,037. ⁴ Includes \$30,879,101,072, REA guarantee commitments made as of Jan. 1, 1989. ⁵ Funds loaned to corporate borrowers for relending to individuals. Includes wiring, plumbing, and refrigeration installations. ⁶ Includes miles energized and consumers served, shown in tables 605 and 606.

Rural Electrification Administration.

Table 605.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, 1989, by States and Territories ¹

State and Territory	Total advances as of Jan. 1, 1990 ^{2,3}	Statistics for borrowers in operation										Average monthly kw.-hr. consumption per consumer	
		As of Jan. 1, 1990			Calendar year 1989								
		Bor- rowers	Miles ener- gized ⁴	Consumers served ⁴	Kw.-hr. generated	Kw.-hr. pur- chased ⁵	Kw.-hr. sales ⁶	Total revenue ⁶	All con- sumers		Residential con- sumers ⁷		
	1,000 dollars	Num- ber	Miles	Num- ber	1,000 kw.-hr.	1,000 kw.-hr.	1,000 kw.-hr.	1,000 dollars	Kw.-hr.	Kw.-hr.			
AL.....	388,597	26	57,922	423,709	2,683,463	8,300,828	6,954,847	440,755	1,314	987			
AK.....	680,209	16	9,697	153,964	2,507,863	1,774,025	2,547,042	231,891	1,944	723			
AZ.....	189,311	14	17,184	127,103	2,140,440	3,180,916	3,358,312	220,826	1,818	573			
AR.....	605,349	21	61,116	318,510	6,763,837	7,448,187	5,137,743	347,193	1,359	875			
CA.....	71,188	9	5,326	30,010	0	355,152	326,550	25,148	1,297	790			
CO.....	863,604	24	60,485	292,688	10,656,711	9,548,540	11,378,166	516,988	1,561	781			
CT.....	0	0	0	0	0	0	0	0	0	0			
DE.....	39,866	1	3,892	43,177	0	527,679	476,253	37,323	935	850			
FL.....	638,823	18	54,497	581,383	7,261,490	8,275,595	7,111,242	570,089	1,146	922			
GA.....	961,765	46	120,898	1,012,066	12,079,706	20,832,035	18,118,484	1,442,154	1,256	974			
HI.....	0	0	0	0	0	0	0	0	0	0			
ID.....	116,806	10	11,609	44,480	0	1,234,638	1,142,213	54,870	2,180	1,016			
IL.....	447,198	29	58,866	213,442	1,506,844	4,995,929	2,904,690	275,682	1,246	916			
IN.....	361,160	45	51,995	353,823	6,772,095	9,489,158	8,874,600	504,441	1,306	1,028			
IA.....	600,752	55	64,568	175,808	2,731,499	4,002,905	3,687,797	247,731	1,442	1,192			
KS.....	473,380	37	69,716	173,194	2,376,927	4,078,158	3,437,546	251,009	1,438	732			
KY.....	850,184	28	73,937	511,297	13,743,887	17,630,201	16,186,354	851,012	2,464	1,013			
LA.....	507,882	17	43,979	312,729	9,310,957	5,118,852	8,030,746	508,842	1,284	1,031			
ME.....	23,145	4	1,823	14,125	-10	109,796	98,557	10,257	588	414			
MD.....	156,418	2	11,592	120,716	0	2,446,947	2,339,674	166,634	1,643	1,137			
MA.....	0	0	0	0	0	0	0	0	0	0			
MI.....	309,647	14	30,655	205,364	987,606	2,812,302	2,325,691	244,463	715	565			
MN.....	872,390	52	109,067	495,126	8,921,996	8,854,349	10,180,361	565,116	1,223	942			
MS.....	536,008	29	78,181	503,895	3,218,394	11,077,924	8,200,710	550,761	1,496	986			
MO.....	976,491	47	109,944	475,885	9,365,756	20,336,030	14,144,583	605,279	1,239	901			
MT.....	275,134	26	43,397	96,323	0	2,849,253	1,645,135	94,388	1,432	1,028			
NE.....	438,292	36	69,803	160,765	0	4,139,831	1,519,763	96,836	1,679	1,102			
NV.....	68,839	8	9,028	19,913	469	941,849	839,064	39,661	3,664	985			
NH.....	81,213	1	4,575	62,621	0	644,570	597,032	53,277	804	606			
NJ.....	12,581	2	977	12,302	0	107,928	102,059	11,957	889	765			
NM.....	297,723	18	39,168	138,635	1,595,427	3,503,951	2,852,765	202,677	1,551	463			
NY.....	26,681	5	4,176	19,500	0	151,127	136,816	10,886	883	818			
NC.....	578,553	33	71,307	581,763	4,025,707	15,954,724	11,133,900	861,706	1,142	934			
ND.....	858,572	27	66,619	101,216	16,446,033	6,118,184	12,957,838	427,503	2,292	1,274			
OH.....	335,147	29	40,002	271,200	4,748,094	5,098,774	4,468,073	286,835	1,440	1,048			
OK.....	794,595	29	93,183	341,811	3,908,267	5,518,017	5,372,372	381,215	1,249	892			
OR.....	277,556	18	22,173	108,264	0	2,802,752	2,577,582	127,729	2,036	1,189			
PA.....	204,391	13	24,892	171,665	1,155,706	2,623,173	1,695,205	178,152	811	696			
RI.....	0	0	0	0	0	0	0	0	0	0			
SC.....	579,274	23	52,975	429,553	1,346,238	14,012,663	7,537,797	532,640	1,291	1,049			
SD.....	417,518	34	62,716	107,723	0	4,085,180	1,872,901	131,428	1,448	1,101			
TN.....	320,456	32	68,888	677,496	0	14,447,243	13,547,865	807,843	1,711	1,183			
TX.....	1,919,724	82	248,739	1,046,320	5,187,968	20,681,367	13,058,537	906,966	1,245	898			
UT.....	66,747	6	5,640	21,949	3,487,109	1,708,639	3,749,991	153,628	4,886	853			
VT.....	50,142	3	2,806	20,541	39,289	282,222	214,115	18,940	750	654			
VA.....	401,476	15	39,298	298,873	1,184,707	10,566,003	5,423,283	381,063	1,510	1,010			
WA.....	182,796	23	20,067	91,098	7	2,243,007	2,124,780	82,116	2,923	1,440			
WV.....	6,982	1	727	4,775	0	40,892	37,078	3,008	650	612			
WI.....	438,018	31	41,912	178,816	3,862,363	3,169,962	3,274,459	190,180	1,081	941			
WY.....	219,803	15	27,646	68,643	9,341	2,677,031	2,492,547	139,964	3,145	922			
US.....	19,472,386	1,054	2,162,663	11,614,265	150,026,186	276,798,488	236,193,118	14,789,062	1,427	952			
PR.....	266,157	1	15,770	524,025	4,138,626	0	3,473,135	302,855	0	0			
VI.....	430	1	97	853	0	0	0	0	0	0			
Total.....	19,738,973	1,056	2,178,530	12,139,143	154,164,812	276,798,488	239,666,253	15,091,917	1,427	952			

¹ State totals represent data for borrowers incorporated within the State. ² Actual funds advanced out of REA loans approved, as shown in table 604. ³ Cumulative. ⁴ Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1989, there were 108 such borrowers with 131,734 miles energized and 657,673 consumers served. ⁵ Includes 167,475,575 thousands of Kw.-hr. sold by one REA borrower to another. ⁶ Excludes energy sales and revenues of power sold by one REA borrower to another. ⁷ Includes rural nonfarm and farm consumers.

Rural Electrification Administration.

Table 606.—Rural Electrification Administration: Advances to, and operating statistics of, electric borrowers, United States and Territories, 1975-90

Year	Total advances as of Jan. 1 ¹	Statistics for borrowers in operation							Average monthly kw.-hr. consumption per consumer	
		As of Jan. 1			During year					
		Bor- rowers	Miles energ- ized ²	Consum- ers served ²	Kw.-hr. generated	Kw.-hr. pur- chased ³	Kw.-hr. sales ³	Total revenue ³	All con- sumers	Residential consum- ers ⁴
	<i>1,000 dollars</i>	<i>Num- bers</i>	<i>Miles</i>	<i>Number</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 kw.-hr.</i>	<i>1,000 dollars</i>	<i>Kw.-hr.</i>	<i>Kw.-hr.</i>
1975.....	8,755,257	1,047	1,797,525	7,767,813	33,462,818	91,874,602	112,669,814	2,971,882	1,191	840
1976.....	9,508,607	1,050	1,827,896	8,017,654	38,660,059	100,139,618	124,004,376	3,556,049	1,254	866
1977.....	10,143,415	1,048	1,857,434	8,311,779	46,014,515	102,626,911	131,547,776	4,212,317	1,313	910
1978.....	10,868,424	1,051	1,890,173	8,630,818	52,472,215	107,477,358	141,908,005	5,009,862	1,339	937
1979.....	11,662,272	1,052	1,917,859	8,962,540	60,181,476	109,060,591	150,055,226	5,770,136	1,335	919
1980.....	12,588,246	1,050	1,950,394	9,275,086	69,536,829	111,231,691	160,243,316	6,902,533	1,361	935
1981.....	13,513,686	1,050	1,978,758	9,523,552	77,231,104	111,516,120	167,687,587	8,294,511	1,337	901
1982.....	14,454,331	1,051	2,009,504	9,844,319	81,568,123	111,574,193	172,731,820	9,691,692	1,326	905
1983.....	15,208,521	1,055	2,036,416	10,096,448	93,058,714	117,966,290	187,193,706	11,175,321	1,317	896
1984.....	15,865,444	1,060	2,057,702	10,555,401	106,753,172	125,172,354	209,063,661	12,217,509	1,364	914
1985.....	16,489,186	1,060	2,082,093	10,836,358	120,372,848	118,618,780	215,175,311	13,075,624	1,360	906
1986.....	17,093,166	1,059	2,100,005	11,110,158	120,831,669	115,456,553	215,599,260	13,502,228	1,351	920
1987.....	17,806,064	1,057	2,122,550	11,357,105	137,302,039	107,963,444	223,965,317	13,901,489	1,358	925
1988.....	18,437,359	1,058	2,142,419	11,628,110	147,851,823	111,686,692	236,468,484	14,481,656	1,419	951
1989.....	19,007,355	1,057	2,150,389	11,797,981	154,164,812	109,322,913	239,666,253	15,091,916	1,427	952
1990 ⁵	19,738,972	1,056	2,178,530	12,139,143	.....	.....	.....	.....	.....	.....

¹ Cumulative from organization, May 11, 1935. ² Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Jan. 1, 1989, there were 108 such borrowers with 131,734 miles energized and 657,673 consumers served. ³ Excludes energy sales and revenues of power sold by one REA borrower to another. Includes patronage capital. ⁴ Includes rural nonfarm and farm consumers. ⁵ Actual funds advanced out of REA loans approved, as shown in table 604.

Rural Electrification Administration.

Table 607.—Rural Electrification Administration: Annual revenues and expenses reported by electric borrowers, United States, 1975-89

Year	Operating revenue	Operating expense	Interest expense	Depreciation and amortization expense	Net margins ¹	Total utility plant
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	3,887,688	3,257,727	181,127	291,742	210,682	11,845,119
1976.....	4,725,869	3,976,370	214,947	328,245	264,606	14,031,055
1977.....	5,802,326	4,878,108	291,138	371,491	340,311	17,265,848
1978.....	7,038,706	5,924,401	386,331	431,372	389,250	20,352,316
1979.....	8,061,512	6,735,053	514,826	500,848	443,256	23,620,001
1980.....	9,706,783	8,149,970	706,931	588,533	396,977	28,444,246
1981.....	11,759,376	9,828,959	920,760	685,295	518,996	34,633,972
1982.....	13,982,308	11,391,946	1,328,619	805,108	853,392	40,045,511
1983.....	15,736,190	12,590,141	1,576,040	905,907	914,055	45,066,850
1984.....	18,002,160	14,537,839	1,871,276	1,009,377	1,043,918	48,277,970
1985.....	19,192,639	15,400,874	2,142,551	1,112,915	968,126	51,467,029
1986.....	19,942,767	15,837,161	2,381,503	1,243,538	949,786	54,498,999
1987.....	20,500,204	16,060,730	2,668,876	1,408,996	747,826	55,454,335
1988.....	21,226,292	16,678,223	2,742,793	1,453,262	758,237	54,039,460
1989.....	22,334,246	17,660,877	2,676,889	1,568,342	763,670	57,288,116

Rural Electrification Administration.

Table 608.—Farmers Home Administration: Loans made to organizations and associations for community projects, and loans outstanding, United States and Territories, 1975-90 ¹

Year	Water and waste loans			Recreation loans			Watershed and flood prevention organization loans		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1975.....	648	456,125	1,453,806	(²)	46	100,640	13	19,800	54,972
1976.....	631	472,932	1,900,706	(³)	(³)	98,954	12	6,877	58,748
1977.....	1,076	693,046	2,143,117			91,140	8	5,166	60,916
1978.....	789	824,234	2,584,580			87,753	11	11,692	67,704
1979.....	846	876,650	2,908,602			* 84,649	3	4,818	* 67,550
1980.....	874	764,248	3,620,983			82,069	9	11,947	69,891
1981.....	765	603,059	4,220,819			79,400	5	14,858	70,674
1982.....	435	381,316	4,771,764			77,081	2	1,754	71,642
1983.....	522	593,298	5,392,308			73,993	0	110	73,064
1984.....	259	263,600	5,744,728			70,319	0	0	73,025
1985.....	363	357,565	6,187,239			66,449	1	2,233	75,011
1986.....	298	343,680	6,518,415			63,190	2	473	75,001
1987.....	275	341,935	6,667,123			59,977	0	0	72,446
1988.....	308	335,630	5,247,150			58,436	0	0	71,402
1989.....	317	312,845	4,070,266			53,978	0	0	74,116
1990.....			2,927,004			50,393			75,897

Year	Resource conservation and development and rural renewal loans			Business and industrial development loans			Community facility loans			Economic opportunity loans to cooperatives		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars	Number	1,000 dollars	1,000 dollars
1975.....	14	1,741	13,842	622	408,435	757	399	276,632	8,863			12,445
1976.....	17	2,388	14,457	412	391,703	8,661	291	192,895	85,786			11,392
1977.....	8	1,006	11,764	504	377,619	11,201	282	188,397	208,381			8,566
1978.....	4	1,137	12,147	1,168	1,150,006	20,511	352	245,373	324,373			6,896
1979.....	9	1,878	* 12,942	1,275	1,104,011	* 22,256	521	274,689	* 463,623			* 6,128
1980.....	6	1,850	13,392	812	1,169,050	33,404	564	238,793	700,841			4,592
1981.....	12	1,934	14,307	385	434,787	32,916	577	219,957	937,483			4,237
1982.....	4	885	14,234	65	130,521	37,763	167	119,467	1,159,666			3,924
1983.....	3	1,207	14,397	57	114,096	38,645	129	133,961	1,363,275			3,581
1984.....		30	15,132	60	97,183	38,067	105	127,870	1,439,344			3,376
1985.....	1	500	15,530	37	54,284	41,954	152	127,095	1,508,270			2,827
1986.....	0	0	14,929	31	55,263	40,803	95	84,090	1,541,675			2,426
1987.....	0	0	14,188	53	108,753	38,042	148	110,439	1,573,277			2,151
1988.....	0	0	13,494	83	104,983	37,382	173	96,756	1,123,011			2,691
1989.....	0	0	12,357	73	78,883	21,571	197	86,603	1,018,217			2,480
1990.....			9,671			19,433			887,595			2,157

¹ Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

² Recreation association loans are made only to subsequent borrowers who received an initial loan in a prior year.

³ Funding for this program is no longer available.

⁴ Latest data available as of September 30, 1978.

⁵ Discontinued.

Farmers Home Administration.

Table 609.—Loans to farmers' cooperative organizations:¹ Outstanding amounts held by the banks for cooperatives, classified by type of loan, United States, Jan. 1, 1975-90²

Year	Operating capital loans	Facility loans	Year	Operating capital loans	Facility loans
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	1,991,100	1,595,388	1983.....	3,086,662	5,115,004
1976.....	2,109,854	1,878,007	1984.....	4,247,476	4,736,128
1977.....	2,721,034	2,340,635	1985.....	3,986,367	4,650,183
1978.....	2,900,182	2,831,537	1986.....	2,851,369	4,912,440
1979.....	3,028,524	3,188,501	1987.....	2,416,795	4,588,297
1980.....	4,369,672	3,777,786	1988.....	3,326,506	4,387,016
1981.....	5,215,863	4,289,665	1989.....	3,202,704	4,217,559
1982 ¹	4,195,537	4,927,878	1990.....	5,508,610	5,627,188

¹ Data for 1982 are net of unearned income.² Includes Puerto Rico.

Farm Credit Administration.

Table 610.—Rural Electrification Administration: Annual revenues, expenses, and total telephone plant reported by telephone borrowers, United States, 1975-89

Year	Borrowers reporting	Operating revenues	Operating expenses	Interest expense	Depreciation and amortization expense	Net income or margin ¹	Total telephone plant ²
	<i>Number</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	858	753,100	422,396	66,202	166,709	95,456	3,849,740
1976.....	876	899,335	703,300	85,705	195,087	112,397	4,373,731
1977.....	896	1,086,604	854,119	101,996	232,251	131,485	5,073,933
1978.....	902	1,305,261	754,020	117,455	270,383	160,807	5,769,947
1979.....	919	1,539,743	883,890	140,605	312,337	199,589	6,557,728
1980.....	936	1,757,740	1,015,255	167,764	361,059	216,356	7,388,150
1981.....	949	2,042,065	1,186,675	192,568	423,536	261,656	8,033,999
1982.....	950	2,388,847	1,407,406	215,923	488,498	313,593	8,897,003
1983.....	949	2,642,505	1,516,428	231,580	557,648	369,061	9,531,783
1984.....	946	2,910,194	1,665,204	247,370	603,913	453,002	10,194,739
1985.....	942	3,108,223	1,793,557	261,690	627,547	492,001	10,670,875
1986.....	935	3,180,792	1,840,849	265,183	642,118	514,495	10,917,495
1987.....	920	3,339,427	1,880,660	274,736	694,991	597,680	11,621,095
1988.....	913	3,598,291	2,004,638	276,539	751,206	690,583	12,071,384
1989.....	903	3,888,083	2,181,215	281,563	795,408	787,357	12,814,112

¹ Includes other income and deductions (net) unregulated and extraordinary and delayed items beginning 1984.² Investment in physical plant and related facilities.

Rural Electrification Administration.

Table 611.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, United States, 1975-90

Year	Total advances as of Jan. 1 ¹		Operating statistics as of Jan. 1			Revenues for year ending Dec. 31
	REA	RTB	Borrowers reporting	Employees	Total subscribers	
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>
1975.....	2,070,171	207,379	848	19,580	2,919,113	753,100
1976.....	2,211,707	334,737	858	20,045	3,045,292	899,335
1977.....	2,370,610	429,329	876	21,188	3,283,223	1,086,604
1978.....	2,526,906	515,020	895	23,475	3,599,069	1,305,261
1979.....	2,674,893	660,210	902	26,270	3,877,060	1,539,743
1980.....	2,892,056	793,682	919	27,936	4,072,709	1,757,740
1981.....	3,150,443	997,293	936	28,441	4,262,359	2,042,065
1982.....	3,415,708	1,136,115	949	28,677	4,374,947	2,388,847
1983.....	3,639,548	1,242,381	950	28,805	4,545,576	2,642,505
1984.....	3,819,768	1,339,880	949	28,867	4,628,778	2,910,194
1985.....	4,002,328	1,421,596	946	28,743	4,746,909	3,108,223
1986.....	4,133,786	1,488,332	942	28,297	4,792,145	3,180,792
1987.....	4,375,927	1,555,382	935	27,805	4,832,686	3,339,427
1988.....	4,541,547	1,627,263	920	27,975	5,004,558	3,598,291
1989.....	4,707,800	1,747,637	913	27,454	5,096,867	3,888,083
1990 ²	4,864,684	1,835,519	903	27,617	5,276,450	.....

¹ Cumulative from organization, Oct. 28, 1949.² Actual funds advanced out of loans approved, as shown in table 613.

Rural Electrification Administration.

Table 612.—Rural Electrification Administration and Rural Telephone Bank: Advances to, and operating statistics of, telephone borrowers, as of Jan. 1, 1990 and revenues for 1988, by States and Territories ¹

State and Territory	Total advances as of Jan. 1, 1990 ²		Operating statistics as of Jan. 1, 1990		Revenues for 12 months ending Dec. 31, 1988 ⁴
	REA	RTB	Borrowers reporting	Total subscribers	
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>Number</i>	<i>Number</i>	<i>1,000 dollars</i>
AL.....	133,228,184	70,723,320	25	138,820	90,782,879
AK.....	104,405,541	58,526,083	12	77,644	105,132,467
AZ.....	39,386,000	54,662,134	5	118,314	131,075,736
AR.....	90,789,593	47,013,487	17	198,988	123,873,965
CA.....	78,675,955	41,033,800	12	52,617	70,533,781
CO.....	39,243,465	17,784,690	15	26,692	23,253,851
CT.....					
DE.....					
FL.....	39,106,463	32,803,073	6	92,472	77,264,066
GA.....	217,649,841	120,061,426	25	335,239	221,922,894
HI.....					
ID.....	32,032,713	7,720,300	11	17,096	15,579,740
IL.....	69,020,646	17,962,682	23	83,047	52,530,282
IN.....	90,513,634	18,047,314	28	85,360	46,545,680
IA.....	124,551,991	34,632,150	78	158,937	100,931,190
KS.....	165,136,385	37,136,570	31	169,369	104,308,088
KY.....	218,989,424	42,371,141	16	192,663	105,905,105
LA.....	88,657,118	31,397,436	15	87,053	75,899,422
ME.....	29,019,064	30,917,823	13	78,531	50,961,396
MD.....	2,061,000	2,326,800	1	4,318	2,370,447
MA.....	1,835,000	519,750	1	2,343	1,578,546
MI.....	86,838,784	40,930,467	29	139,819	75,482,120
MN.....	236,512,308	75,958,300	64	279,062	177,939,126
MS.....	86,327,200	10,588,549	15	56,567	42,354,992
MO.....	168,197,369	41,243,590	22	259,895	200,810,447
MT.....	146,571,655	1,971,549	11	37,072	38,325,448
NE.....	96,194,771	26,402,480	30	70,364	51,257,421
NV.....	6,275,000	7,266,258	3	4,768	4,200,433
NH.....	14,457,000	10,903,288	8	25,312	15,917,915
NJ.....	14,295,000	16,554,300	1	124,629	82,599,039
NM.....	146,364,973		8	23,888	37,666,467
NY.....	37,997,832	40,409,400	27	121,904	67,246,178
NC.....	181,982,367	92,665,429	19	323,144	184,222,828
ND.....	161,674,759	13,918,078	13	62,349	41,390,781
OH.....	27,228,129	4,408,225	17	21,353	14,085,397
OK.....	185,519,515	92,243,245	28	136,883	109,623,497
OR.....	49,162,641	33,141,940	21	56,752	44,564,332
PA.....	66,586,746	146,135,541	22	407,493	240,790,381
RI.....					
SD.....	174,148,274	116,094,156	18	225,041	129,960,257
SC.....	154,283,162	16,453,759	19	56,069	37,999,486
TN.....	253,979,536	61,401,400	21	220,585	112,771,903
TX.....	404,918,538	121,260,403	40	182,632	174,304,237
UT.....	27,786,227	5,713,900	7	10,962	11,410,864
VT.....	4,785,000	6,930,102	5	12,772	7,958,005
VA.....	58,586,000	17,171,318	9	45,116	25,731,262
WA.....	36,377,490	16,157,758	13	27,173	22,915,803
WV.....	48,928,808	16,500,200	7	55,417	39,345,837
WI.....	234,128,370	127,174,236	85	319,517	162,476,636
WY.....	11,749,000	5,691,789	5	9,283	11,316,140
Micronesia.....					
GU.....	51,630,245	3,526,950	1	33,818	19,018,128
Marshall Isl.....					
No. Mariana Isl.....	11,212,000	1,062,000	1	6,708	9,205,833
PR.....	115,677,000				
VI.....					
US.....	4,864,683,716	1,835,518,589	903	5,276,450	3,598,290,728

¹ Preliminary, except total advances. State totals represent data for borrowers incorporated within the State.

² Actual funds advanced out of loans approved, as shown in table 613. ³ Cumulative. ⁴ Reported 913 borrowers.

Rural Electrification Administration.

Table 613.—Rural Electrification Administration and Rural Telephone Bank: Telephone financing approved, route miles of line, and number of subscribers, by States, from organization (Oct. 28, 1949) to Jan. 1, 1990 ¹

State	Total financing as of Jan. 1, 1990				Operating statistics for year 1989			
	Borrowers	REA loans	RTB loans	REA guarantee commitments	Rt. mi. of line provided for by financing (total)	Subscribers provided for by financing		
						Total	To receive initial service	To receive improved service
	Number	1,000 dollars	1,000 dollars	1,000 dollars	Miles	Number	Number	Number
AL.....	26	168,176	98,855	11,901	246	4,122	4,122	
AK.....	12	137,718	81,123	34,013				
AZ.....	5	42,995	99,024	5,000	348	5,255	5,255	
AR.....	21	102,380	49,254	35,744	28	566	566	
CA.....	15	82,021	54,984	10,396	305	1,870	865	1,005
CO.....	19	46,549	18,525		17	200	110	90
CT.....								
DE.....								
FL.....	9	42,897	50,275	76,556				
GA.....	27	235,020	154,929	82,184	73	1,061	1,061	
HI.....								
ID.....	12	36,497	10,519		24	180	180	
IL.....	26	75,738	21,858		72	380	380	
IN.....	36	97,197	25,525		5	73	73	
IA.....	86	138,427	55,089	9,700	23	32	32	
KS.....	31	208,135	44,144	11,434	22	89	89	
KY.....	17	235,469	57,291	28,840	52	982	982	
LA.....	19	107,832	57,637	13,651	79	787	787	
ME.....	13	31,090	45,024	1,875	5	181	181	
MD.....	1	2,061	4,080		20	701	701	
MA.....	1	1,835	1,039					
MI.....	33	102,115	81,468	2,953	144	2,259	2,259	
MN.....	66	271,590	90,651	10,239	354	1,084	1,084	
MS.....	16	96,005	16,120	5,200	8	48	48	
MO.....	26	213,682	47,851	47,203	161	2,284	2,284	
MT.....	12	167,468	1,971					
NE.....	34	109,265	33,730		56	36	36	
NV.....	4	7,603	7,585					
NH.....	8	17,017	14,717		111	2,536	1,516	1,020
NJ.....	1	14,295	16,554	3,084				
NM.....	8	158,952						
NY.....	28	41,761	53,362	18,220	14	150	150	
NC.....	20	201,058	127,270	31,158	20	360	360	
ND.....	13	182,627	13,918					
OH.....	18	30,446	7,623		1	25	25	
OK.....	29	203,355	106,675	2,744	185	2,170	2,170	
OR.....	27	54,859	39,792	18,228				
PA.....	28	77,005	244,512	43,247	2,296	33,994	33,994	
RI.....								
SC.....	19	194,933	195,109	7,885	320	10,523	10,523	
SD.....	19	180,647	16,453		4	40	40	
TN.....	21	299,607	72,508	14,358				
TX.....	60	473,564	172,892	76,131	317	241	241	
UT.....	8	38,487	10,210					
VT.....	5	4,785	6,954					
VA.....	12	63,322	20,201		67	953	953	
WA.....	19	38,739	19,960		32	554	554	
WV.....	7	61,191	18,421	5,250				
WY.....	87	249,205	146,023	23,700	140	2,569	2,569	
WY.....	5	11,797	5,691					
Microne-								
sia.....	1	41,000						
GU.....	1	106,298	19,609					
Marshall								
Isl.....	1	18,800						
No.....								
Mari-								
ana Isl...	1	11,212	4,090					
PR.....	1	115,677	15,116					
VI.....	1	66,214			2,253	52,341	13,976	38,365
US.....	1,015	5,716,627	2,556,184	630,894	7,797	128,651	88,171	40,480

¹ State totals represent data for borrowers incorporated within the State.
Rural Electrification Administration.

CHAPTER XI

STABILIZATION AND PRICE-SUPPORT PROGRAMS

The statistics in this chapter relate to activities of the Commodity Credit Corporation, cropland diversion and production adjustment programs, and marketing agreement and order programs for fruits and vegetables. Statistics for Federal Milk Marketing Order programs are contained in chapter VIII.

Table 614.—Commodity Credit Corporation: Price support granted on 1987 crop, United States and Territories ¹

Commodity	Unit	Through Sept. 30, 1987	
		Quantity	Value
		<i>Millions</i>	<i>Million dollars</i>
Cotton, upland.....	Bale	5.8	1,455.3
Cotton, extra-long staple.....	.....do	0	0
Seed cotton, upland.....	Pound	0	9.9
Seed cotton, extra-long staple.....	.....do	0	0
Wheat	Bushel	682.5	1,686.4
Corn .....	.....do	7,956.1	14,641.2
Honey.....	Pound	0	134.5
Milk and butterfat:			
Butter	Pound	324.1	433.3
Cheese .....	.....do	321.4	391.9
Dried milk .....	.....do	394.2	299.4
Tobacco .....	.....do	102.0	199.7
Rice, rough.....	Cwt	90.7	620.0
Grain sorghum	Bushel	499.7	1,150.1
Peanuts, farmers' stock.....	Pound	689.0	102.9
Oats	Bushel	3.2	3.0
Barley .....	.....do	201.9	313.0
Beans, dry edible	Pound .....	.7	13.9
Rye	Bushel	14.3	20.9
Soybeans.....	.....do	252.7	1,197.0
Sugar:			
Beets	Pound	³ 278.7	³ 35.6
Cane.....	.....do	31.6	1,009.5
Special purchase programs ²		1,521.0	244.4
Total		12,812.2	23,890.7

¹ Consists of loans made and acquisitions under commodity loan and purchase programs. ² Commodities included in "Special purchase programs" for 1986 crop are wheat flour, corn products, wheat products, rolled oats, vegetable oil products, blended food products, soya flour, feed for Government facilities, foundation seeds, sorghum grits, peanut products, milled rice, brown rice, and textured soya rice. ³ Denotes decrease or loss.

Agricultural Stabilization and Conservation Service.

Table 615.—Commodity Credit Corporation: Price-supported commodities owned as of Dec. 31, 1974–88 ¹ (Inventory quantity)

Year	Barley	Butter and butter oil	Cheese	Corn	Cotton	Dry beans	Flaxseed	Sorghum grain	Nonfat dry milk
	Million bushels	Million pounds	Million pounds	Million bushels	1,000 bales	Million cwt.	Million bushels	Million bushels	Million pounds
1974.....	(³)	17	2	6	(³)	0	0.1	1	172
1975.....	(³)	3	5	(³)	(²)				442
1976.....		21	5	(³)				(³)	453
1977.....	(³)	198	95	1	(²)			1	708
1978.....	1	207	35	77	(²)			37	658
1979.....	3	177	5	100	(³)			45	529
1980.....	4	331	244	254	(³)			44	707
1981.....	3	449	644	248	(³)			38	944
1982.....	5	503	945	429	(³)			47	1,377
1983.....	11	578	1,097	1,230	1			189	1,718
1984.....	13	401	918	296	0			106	1,489
1985.....	47	304	882	477				161	1,328
1986.....	85	326	819	1,265	874			398	995
1987.....	84	230	474	1,843	(²)			538	455
1988.....	38	234	123	679	(²)			454	123

Year	Oats	Peanuts ⁴	Rice ⁵	Rye	Soybeans	Tung oil	Wheat	Value of all commodities owned ⁶
	Million bushels	Million pounds	Million cwt.	Million bushels	Million bushels	Million pounds	Million bushels	Million dollars
1974.....	69			2.6	0	1	15	188
1975.....	36	365	(³)	(³)			(³)	402
1976.....	3	92	19.1				(³)	634
1977.....	(²)	(²)	18.6				34	1,104
1978.....	2		10.4	(²)	(²)		50	1,186
1979.....	3		8.1	(²)	(²)		50	1,237
1980.....	3		1.7	(²)	(²)		203	2,802
1981.....	2		(³)	(²)	(²)		191	3,779
1982.....	1		18	(²)	14		185	5,507
1983.....	1		24	1	23		376	10,597
1984.....	2		26	6	3		419	6,664
1985.....	2		43	16	124		557	8,309
1986.....	4	(²)	34	18	333		987	13,848
1987.....	3		8	18	212		888	12,331
1988.....	2		(²)	(²)	(²)		305	4,856

¹ Commodities which were owned by CCC in some years but not shown in this table are as follows: Cottonseed and products, naval stores, wheat products, corn products, oat products, rice products, vegetable oil, honey, mixed feed, linseed oil, foundation seeds, and peanut products. ² Less than 50,000 units. ³ Less than 500,000 units.

⁴ Farmers' stock basis; includes farmers' stock equivalent of shelled peanuts. ⁵ Rough basis; includes milled rice in rough equivalent. ⁶ The total value of all commodities owned by CCC, including price-supported commodities not shown and commodities acquired under programs other than price-support programs.

Agricultural Stabilization and Conservation Service.

Table 616.—Commodity Credit Corporation: Loans made, United States and Territories, by crop years, 1983-88 ¹

Commodity	Unit	1983		1984		1985	
		Quantity pledged	Face amount	Quantity pledged ²	Face amount ²	Quantity pledged	Face amount
			1,000 dollars		1,000 dollars		1,000 dollars
Barley	1,000 bushels	10,822	22,135	27,985	55,099	79,768	157,052
Corn	1,000 bushels	369	1,058	2,290	6,270	56,868	156,478
Cotton	1,000 bales						
Seed cotton	1,000 pounds						
Dry beans	1,000 cwt						
Flaxseed	1,000 bushels						
Honey	1,000 pounds	30,619	19,012	42,299	27,436	37,129	23,513
Naval stores: Rosin	1,000 pounds						
Oats	1,000 bushels	1,377	1,749	2,060	2,511	2,301	2,868
Peanuts	1,000 tons	38,693	6,458	92,722	9,495	176,080	21,206
Rice	1,000 cwt	86	747	3,166	27,099	5,980	52,777
Rye	1,000 bushels	2,227	4,844	6,662	14,069	2,835	6,000
Sorghum grain	1,000 bushels	427	1,126	8,952	22,969	59,315	154,520
Soybeans	1,000 bushels					1,057	5,369
Storage facility and equipment		10,075	87,803	79	652,183	84	558,827
Tobacco	1,000 pounds	116,490	234,208	79,744	141,095	76,077	189,143
Wheat	1,000 bushels	357,469	1,309,738	175,455	579,085	567,682	1,907,458

Commodity	Unit	1986		1987		1988	
		Quantity pledged	Face amount	Quantity pledged	Face amount	Quantity pledged	Face amount
			1,000 dollars		1,000 dollars		1,000 dollars
Barley	1,000 bushels	67,896	96,710	57,138	77,976	13,848	19,222
Corn	1,000 bushels	59,188	114,611	290,323	563,745	18,757	35,688
Cotton	1,000 bales	202	54,814	25	6,558	372	94,829
Seed cotton	1,000 pounds			1,051	562		
Dry beans	1,000 cwt						
Flaxseed	1,000 bushels						
Honey	1,000 pounds	66,789	40,510	46,594	29,141	94,516	55,860
Naval stores: Rosin	1,000 pounds						
Oats	1,000 bushels	4,139	3,791	1,419	1,282	625	560
Peanuts	1,000 tons	8,619	758	19,343	2,700	24,511	4,092
Rice	1,000 cwt	28,179	202,790	21,474	151,429	21,422	143,726
Rye	1,000 bushels	3,249	4,328	4,472	6,407	230	326
Sorghum grain	1,000 bushels	43,809	82,323	77,596	146,003	5,144	9,203
Soybeans	1,000 bushels	314	1,453	4,384	20,808	1,300	6,108
Storage facility and equipment		111	506,824	12	236,007	76	525,360
Tobacco	1,000 pounds	4,912	13,959	12,651	25,346	8,761	18,885
Wheat	1,000 bushels	274,603	640,427	259,604	582,180	86,780	190,661

¹ Includes loans made directly by Commodity Credit Corporation.² Loans through Sept. 30, 1984.

Agricultural Stabilization and Conservation Service.

Table 617.—Commodity Credit Corporation: Loan transactions for fiscal year 1988, by commodities ¹

Commodity	Unit	Loans outstanding Oct. 1, 1987 ²	New loans made	Repayments	Collateral acquired in settlement	Loans written off ³	Loans outstanding Sept. 30, 1988	
							Value ²	Quantity collateral remaining pledged
Basic commodities:		<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 units</i>
Corn.....	Bushel.....	7,424	7,100	9,521	1,190	1	3,803	1,649
Cotton.....	Bale.....	449	1,417	1,290	7		568	2
Seed cotton.....	Pound.....	1		13				
Peanuts.....	Ton.....		104	94		8	3	4
Rice.....	Cwt.....	250	694	806	10		127	19
Tobacco.....	Pound.....	2,071	203	657		1	1,616	663
Wheat.....	Bushel.....	2,836	671	1,515	381		1,608	499
Total.....		13,031	10,189	13,896	1,588	10	7,725	2,836
Designated nonbasic commodities:								
Barley.....	Bushel.....	413	113	319	31		175	93
Sorghum.....	.....do.....	803	495	678	378		243	105
Honey.....	Pound.....	66	167	125	36		71	118
Oats.....	Bushel.....	8	2	7			2	2
Rye.....	.....do.....	9	6	12	2		2	1
Sugar, beet.....	Pound.....	149	756	864			40	221
Sugar, cane.....	.....do.....	124	278	402				
Total.....		1,572	1,817	2,407	447		533	540
Other nonbasic commodities:								
Soybeans.....	Bushel.....	506	1,283	1,644	73		69	15
Total.....		506	1,283	1,644	73		69	15
Other loans:								
Storage facility and equipment.....		65		34				25
Total.....		65		34				25
Grand total.....		15,174	13,289	17,981	2,108	10	8,327	3,416

¹ Loans made directly by Commodity Credit Corporation. ² Book value of outstanding loans; includes face amounts and any charges paid. ³ Includes transfers to accounts receivable.

Agricultural Stabilization and Conservation Service.

Table 618.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, fiscal year 1988

Program and commodity		Quantity				Value				Inventory Sept. 30, 1988
Unit	Inventory Oct. 1, 1987	Pur- chases	Collateral acquired from loans	Sales ¹	Inventory Sept. 30, 1988	Inventory Oct. 1, 1987	Purchases	Collateral acquired from loans	Sales proceeds	Inventory Sept. 30, 1988
Feed grains:	Thousands	Thousands	Thousands	Thousands	Thousands	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Barley.....	84,320	80,117	19,323	141,227	41,889	176,509	143,903	34,098	190,676	84,829
Corn.....	1,540,430	3,802,887	634,796	5,097,544	4,172,148	4,172,148	7,184,675	1,299,001	7,828,935	2,196,542
Corn products.....	159,993	159,993	180,672	444,144	489,824	1,243,986	535,542	399,111	7,134	1,267,864
Grain sorghum.....	453,099	302,217	180,672	444,144	489,824	1,243,986	535,542	399,111	655,686	2,273
Sorghum grits.....	25,584	25,584	324	25,584	2,488	4,516	2,229	450	2,375	3,461
Oats.....	3,269	276	324	1,373	2,488	4,516	389	450	2,375	3,461
Oats, rolled.....	17,105	17,105	12,291	12,291	15,276	38,831	8	2,494	2,329	33,439
Rye.....	5,776	5,776	1,548	9,491	15,276	38,831	8,614	2,494	8,973	33,439
Total feed grains.....	2,098,591	4,393,955	836,663	5,835,481	549,477	5,635,998	7,891,501	1,735,154	8,698,571	3,586,135
Wheat.....	876,752	222,001	113,941	882,227	314,357	3,272,227	653,190	397,775	1,836,483	1,208,129
Wheat flour.....	919	487,135	231,594	231,594	52	77	47,436	19,031	22,260	83
Wheat products, other.....	277	282,199	265,395	265,395	5	52	25,775	10,526	15,738	83
Rice, milled.....	41	2,258	1,443	2,346	5	638	34,877	10,526	5,096	15,675
Rice, rough.....	9,520	(10,136)	1,443	(3,383)	2,728	79,594	(68,670)	51	3,368	8
Rice, brown.....	281	281	3	7	42	1,760	51	1,094	3,368	8
Cotton, extra long staple.....	4	452	29	551	8	21,786	130,219	7,028	(8,508)	1,622
Upland.....	79	452	29	551	8	21,786	130,219	7,028	(8,508)	1,622
Dairy products:	Thousands	Thousands	Thousands	Thousands	Thousands	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Butter.....	202,971	324,146	4,165	4,165	243,228	311,028	433,289	391,908	1,602	361,077
Cheese.....	462,543	321,425	43,280	43,280	154,089	636,527	391,908	291,704	221,224	221,224
Milk, dried.....	501,007	394,223	529,054	529,054	169,422	424,870	299,415	114,795	114,795	145,034
Milkfat, anhydrous.....	2,054,113	2,023,984	115,416	1,961,236	883,879	4,748,559	1,947,481	416,423	2,090,569	1,952,852
Total dairy products.....	2,054,113	2,023,984	115,416	1,961,236	883,879	4,748,559	1,947,481	416,423	2,090,569	1,952,852

See footnotes at end of table.

Table 619.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 1988¹

Commodity	Export		Domestic				Total export and domestic
	Public law 480 Title II	Total export	Dollar sales	Transfers to other Government agencies	Donations ¹	Inventory adjustments and other recoveries (domestic)	Total domestic
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Feed grains:							
Barley.....			268,417		2,038		270,494
Corn.....	14,865	14,865	10,399,963		1,272		10,419,888
Corn products.....	6,994	6,994			5,969		12,963
Grain sorghum.....	4,469	4,469	902,621				907,168
Sorghum grits.....	2,229	2,229					2,229
Oats.....			1,892				1,892
Oats, rolled.....	2,283	2,283			912		3,195
Wheat.....	113,899	113,899	2,925,708		228		2,927,490
Wheat flour.....	18,647	18,647			28,006		46,654
Wheat products, other.....	21,811	21,811			4,011		25,827
Rice, milled.....	23,856	23,856	(11,939)		25,617		49,473
Rice, rough.....				86			(11,797)
Rice, brown and textured soy blend.....					43		43
Cotton, extra long staple and upland.....			146,036				146,036
Bye products:			16,646				16,646
Dairy products:							
Butter.....	2,304	2,304					
Cheese.....	3,231	3,231	6,833		305,796		308,660
Milkfat, anhydrous.....					785,825		796,228
Milk, dried.....							
Oils and oilseeds:			10,426		122,433		133,811
Peanut products.....	191,225	191,225					
Peanut butter.....							
Peanuts, farmer's stock.....					4,709		4,709
Soya flour.....			11		7,292		7,292
Soybeans.....							11
			1,151,880			(716)	1,151,164

See footnotes at end of table.

Blended foods.....	63,671	63,671				29	29	63,700
Grains and seeds:								
Feed for Government facilities.....							201	201
Foundation seeds.....							169	169
Peas, dry whole.....	2,118	2,118					2,118	2,118
Honey.....							63,041	63,041
Sugar, cane and beet.....							(24,575)	(24,575)
Vegetable oil products.....	65,385	65,385					14,229	79,614
Total ²	536,987	536,987				6,535	17,172,481	17,709,468

¹ Includes donations under Sections 202, 407, 416, Section 210, P.L. 85-540 and miscellaneous donations under various other authorizations. ² Totals may not add due to rounding.

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Agricultural Stabilization and Conservation Service.

Table 620.—Commodity Credit Corporation: Commodities outstanding under price-support loan as of Dec. 31, 1974-88 ¹ (Loans quantity)

Year ²	Barley	Corn	Cotton ³	Dry beans	Flaxseed	Sorghum grain	Oats
	<i>Million bushels</i>	<i>Million bushels</i>	<i>1,000 bales</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million bushels</i>
1974	4	49	960	0.1	(*)	2	3
1975	6	110	333			6	3
1976	12	206	2,186			16	4
1977	65	765	2,576			157	60
1978	94	1,038	919			149	68
1979	73	801	710			83	46
1980	35	966	851			24	9
1981	53	1,234	1,485			181	7
1982	101	2,400	5,561			402	9
1983	124	1,450	3,134			254	8
1984	144	1,056	1			221	6
1985	236	2,811	5			392	7
1986	275	4,905	5			421	12
1987	245	4,436	2			338	7
1988	78	982	6			111	2

Year ²	Peanuts	Rice	Rye	Soybeans	Tobacco	Wheat	Value of all loans outstanding ⁵
	<i>Million pounds</i>	<i>Million cwt.</i>	<i>Million bushels</i>	<i>Million bushels</i>	<i>Million pounds</i>	<i>Million bushels</i>	<i>Million dollars</i>
1974	995	6.1	0.1	19	305	20	681
1975	1,135	8.9	.1	(*)	335	32	871
1976	841	10.5	.1	13	585	223	1,786
1977	302	15.0	.6	68	665	740	5,414
1978	243	19.1	2.5	44	644	588	5,655
1979	608	20.2	2.1	73	686	373	4,955
1980	294	20.5	.4	72	673	366	4,783
1981	530	16.3	.3	161	596	660	7,807
1982	249	53.7	1.2	358	809	1,121	17,917
1983	228	45.0	4.6	81	1,028	1,107	12,801
1984	217	45.0	10.0	178	1,243	911	11,021
1985	946	51.2	5.0	439	1,411	1,387	20,619
1986	122	78.3	5.4	358	986	1,151	21,642
1987	448	34.4	6.7	251	782	890	17,260
1988	538	88.1	(*)	84	615	462	10,977

¹ Commodities which were under loan on Dec. 31 in some years but not shown in this table are as follows: Cottonseed, honey, naval stores, tung oil, and almonds. ² Not necessarily from the crop of the year shown; may include quantities under resale from crop of previous years. ³ Includes extra-long staple. ⁴ Less than 500,000 units.

⁵ Value of all commodities outstanding under loan, including those not shown.

Agricultural Stabilization and Conservation Service.

Table 621.—Commodity Credit Corporation: Investment in price-support operations, by quarters, 1974-88

Date	Inventory after revalu- ation	Loans held CCC	Total loans outstand- ing	Total invest- ment
	Million dollars	Million dollars	Million dollars	Million dollars
1974:				
March.....	359.3	885.8	885.8	1,245.1
June.....	114.2	449.2	449.2	563.4
September.....	172.8	394.6	394.6	567.4
December.....	188.2	681.8	681.8	870.0
1975:				
March.....	253.5	619.2	619.2	872.7
June.....	416.1	333.6	333.6	749.7
September.....	453.7	506.5	506.6	960.2
December.....	402.4	871.0	871.0	1,273.4
1976:				
March.....	555.8	762.2	762.2	1,318.0
June.....	658.6	480.5	480.5	1,339.1
September.....	607.2	707.7	707.7	1,314.9
December.....	634.3	1,786.5	1,786.5	2,420.8
1977:				
March.....	682.9	1,990.5	1,990.5	2,673.4
June.....	824.9	2,142.7	2,142.7	2,967.6
September.....	984.9	3,009.0	3,009.0	3,993.9
December.....	1,104.4	5,414.0	5,414.0	6,518.4
1978:				
March.....	1,052.5	5,827.9	5,827.9	6,880.4
June.....	1,068.3	4,591.3	4,591.3	5,659.6
September.....	1,029.0	4,230.4	4,230.4	5,259.4
December.....	1,185.9	5,655.6	5,655.6	6,841.5
1979:				
March.....	1,186.2	6,245.4	6,245.4	7,431.6
June.....	1,192.4	5,328.4	5,328.4	6,520.8
September.....	1,162.2	3,885.8	3,885.8	5,048.0
December.....	1,236.8	4,954.6	4,954.6	6,191.5
1980:				
March.....	1,484.3	5,374.9	5,374.9	6,859.2
June.....	2,486.0	4,765.4	4,765.4	7,251.4
September.....	2,737.0	3,648.7	3,648.7	6,385.7
December.....	2,802.2	4,783.0	4,783.0	7,585.2
1981:				
March.....	3,066.9	5,629.3	5,629.3	8,696.2
June.....	3,587.9	3,858.5	3,858.5	7,446.4
September.....	3,726.8	3,789.7	3,789.7	7,516.5
December.....	3,778.7	7,807.4	7,807.4	11,586.1
1982:				
March.....	4,106.4	11,070.3	11,070.3	15,176.7
June.....	4,623.0	9,676.2	9,676.2	14,299.2
September.....	5,103.2	10,423.6	10,423.6	15,526.8
December.....	5,506.9	16,789.4	16,789.4	22,296.3
1983:				
March.....	5,901.5	19,389.1	19,389.1	25,290.6
June.....	7,165.2	17,222.9	17,222.9	24,388.1
September.....	10,227.4	14,075.8	14,075.8	24,303.2
December.....	10,596.6	12,801.1	12,801.1	23,397.7
1984:				
March.....	9,967.5	11,366.1	11,366.1	21,333.6
June.....	8,001.6	8,782.4	8,782.4	16,784.0
September.....	7,358.2	7,855.5	7,855.5	15,213.7
December.....	6,663.5	11,020.9	11,020.9	17,684.4
1985:				
March.....	6,399.4	12,665.7	12,665.7	19,065.1
June.....	6,517.6	11,152.1	11,152.1	17,669.7
September.....	6,920.9	12,233.2	12,233.2	19,154.1
December.....	8,308.6	20,619.5	20,619.5	28,928.1
1986:				
March.....	8,888.4	23,829.8	23,829.8	32,718.1
June.....	10,308.5	21,153.8	21,153.8	31,457.3
September.....	11,049.6	18,494.2	18,494.2	29,543.8
December.....	13,847.7	21,641.5	21,641.5	35,489.2
1987:				
March.....	14,674.2	21,513.3	21,513.3	36,187.5
June.....	(2)	(2)	(2)	(2)
September.....	11,734.9	15,108.4	15,108.4	26,843.3
December.....	12,331.5	17,269.6	17,269.6	29,601.1
1988:				
March.....	10,499.5	16,463.1	16,463.1	26,962.7
June.....	8,174.5	12,185.4	12,185.4	20,359.9

¹ Reflects total CCC loans and inventories. ² No data available.
Agricultural Stabilization and Conservation Service.

Table 622.—Agricultural Stabilization and Conservation programs: Payments received, by States, 1988

State	Payments	State	Payments	State	Payments
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	114,507	MD.....	42,681	RI.....	131
AK.....	1,759	MA.....	2,799	SC.....	76,943
AZ.....	77,836	MI.....	303,026	SD.....	494,985
AR.....	343,874	MN.....	1,035,938	TN.....	140,389
CA.....	335,080	MS.....	242,489	TX.....	1,152,009
CO.....	279,344	MO.....	456,891	UT.....	38,378
CT.....	2,858	MT.....	385,612	VT.....	5,879
DE.....	10,504	NE.....	1,090,473	VA.....	64,276
FL.....	32,036	NV.....	6,350	WA.....	207,923
GA.....	173,962	NH.....	1,949	WV.....	12,167
HI.....	396	NJ.....	10,833	WI.....	409,371
ID.....	166,822	NM.....	70,847	WY.....	37,232
IL.....	1,373,971	NY.....	86,789	PR.....	602
IN.....	616,336	NC.....	146,024	VI.....	19
IA.....	1,664,990	ND.....	714,199	Undistributed.....	
KS.....	846,856	OH.....	381,852		
KY.....	160,880	OK.....	287,180	Total ¹	14,468,405
LA.....	190,125	OR.....	97,804		
ME.....	7,319	PA.....	64,918		

¹ Total may not add due to rounding.

Agricultural Stabilization and Conservation Service.

Table 623.—Agricultural Stabilization and Conservation Service program: Payments to producers, by program and commodity, United States, 1984-88

Program and commodity	1984	1985	1986	1987	1988
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Feed grain.....	366,739	2,860,522	5,158,038	8,489,993	7,219,460
Rice.....	191,783	577,234	418,004	474,853	464,481
Wheat.....	1,795,151	1,949,621	3,499,721	2,931,266	1,841,883
Cotton, upland.....	274,658	1,106,244	1,042,392	1,204,298	923,863
Wool and mohair.....	117,578	97,596	111,922	143,724	116,777
Milk indemnity.....	536,072	428,568	624,394	507,757	217,767
Beekkeepers indemnity.....					
Appalachian region conservation.....					
Agricultural conservation (REAP, RECP)....	165,541	168,767	123,624	155,813	178,609
Forestry incentive.....	9,668	11,222	10,764	9,021	9,949
Emergency conservation measures.....	14,591	8,756	6,361	4,298	6,473
Drought and flood conservation.....					
Waterbank.....	9,785	9,667	9,357	8,645	8,301
Emergency feed.....	42	23	29,713	61,172	90,740
Emergency livestock feed.....					
Extended storage.....	333,075	379,147	632,085	802,125	554,882
Potato diversion.....					
Grand total.....	3,905,813	7,597,368	11,666,375	14,792,965	11,633,185

Agricultural Stabilization and Conservation Service.

Table 624.—Commodity Credit Corporation: Loans made in fiscal year for 1988, by States and Territories ¹

State or Territory	Barley	Corn	Cotton	Sorghum	Peanuts	Tobacco	Wheat	Other ²	Total
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....		10,814	36,117	221	68		273	2,595	50,088
AK.....									
AZ.....		1,786	76,614	36	71		326	1,671	80,504
AR.....		10,630	70,244	34,067			1,268	328,871	445,080
CA.....	1,195	649	193,486				3,325	250,899	449,554
CO.....	2,359	111,685		5,585			30,175	350,144	499,948
CT.....		19						6	25
DE.....	25	6,507					2	346	6,880
FL.....		3,616	1,940		834		81	200,048	206,519
GA.....	11	51,766	18,350	201	54,429		981	6,046	131,784
HI.....								111	111
ID.....	14,966	461					51,423	2,876	69,726
IL.....		1,355,606		5,102			5,739	186,135	1,552,582
IN.....	2	670,271		67			1,364	87,792	759,496
IA.....	10	1,561,699		38			57	389,128	1,960,932
KS.....	227	211,913	22	202,049			100,338	31,032	545,381
KY.....	157	108,803		298		139,886	2,605	11,011	262,760
LA.....		12,283	112,637	7,722			41	174,146	306,809
ME.....		24						390	414
MD.....	232	21,491				96	104	1,246	23,169
MA.....		115					1,332	53	1,500
MI.....	268	164,139					153,475	76,598	394,480
MN.....	32,059	655,736		7			337	265,975	954,114
MS.....		8,415	216,247	8,043				14,953	247,658
MO.....	2	232,172	15,886	52,481			2,755	146,285	449,581
MT.....	32,593	148		8			131,993	15,280	179,972
NE.....	395	1,024,208		105,755			32,936	61,212	1,224,506
NV.....	9						17	27	53
NH.....				5			30	3	38
NJ.....	46	4,883		6,556			3,442	690	15,617
NM.....		5,193	6,012		349		823	388	12,765
NY.....	100	38,204						3,057	41,361
NC.....	162	56,451	11,341	58	810	41,395	954	10,002	121,173
ND.....	60,264	62,680		45			257,770	42,565	423,324
OH.....		315,425					2,619	68,072	386,116
OK.....	16	8,752	30,537	12,168			26,660	1,654	79,787
OR.....	1,266	411		11			12,695	1,037	15,420
PA.....	82	25,004					299	1,684	27,069
PR.....									
SC.....	36	25,174	3,614	7			1,590	4,516	34,937
SD.....	15,172	191,722		12,402			142,237	57,417	418,950
TN.....	12	53,774	47,406	3,605		18,353	1,429	8,195	132,774
TX.....	1	155,742	484,383	157,980	28,728		16,156	130,898	973,888
UT.....	830	291					3,379	196,287	200,787
VT.....		49						155	204
VA.....	789	19,320	283	38	17,567		450	3,568	42,015
WA.....	5,472	5,289		7			38,351	2,184	51,303
WV.....	5	1,505		10			18	155	1,693
WI.....	165	256,648		7			712	15,490	273,022
WY.....	134	5,085		3			2,626	882	8,730
Total.....	169,062	7,456,538	1,325,119	614,582	102,856	199,730	1,033,187	3,153,725	14,054,799

¹ Loans made directly by Commodity Credit Corporation. As far as possible, loans have been distributed according to the location of producers receiving the loans. Direct loans to cooperative associations for the benefit of members have been distributed according to the location of the association. ² Includes storage facility loans.

Agricultural Stabilization and Conservation Service.

Table 625.—Fruit, vegetable, and tree nut marketing agreement and order programs

Program	Estimated number of commercial producers	Farm value
	<i>Number</i>	<i>1,000 dollars</i>
Citrus fruits (1988-89 season):		
California and Arizona Navel and miscellaneous oranges	4,065	248,426
California and Arizona Valencia oranges	3,500	174,028
California and Arizona lemons	2,100	220,052
Florida oranges, grapefruit, tangerines, and tangelos ¹	13,000	319,481
Florida limes	230	20,520
Texas oranges and grapefruit	2,000	35,927
Deciduous fruits (1989 season):		
California Bartlett pears, plums, and freestone peaches	2,100	179,570
California nectarines	730	79,290
California olives	1,225	59,780
California desert grapes	85	108,953
California Tokay grapes	40	768
California kiwifruit (implemented 10-2-84)	1,215	14,800
Colorado peaches	260	0
Florida avocados	300	11,122
Georgia peaches	128	23,260
Washington apricots	190	2,236
Washington sweet cherries	1,100	58,174
Washington peaches	890	11,212
Washington, Oregon, and California winter pears	1,800	103,691
Washington and Oregon Bartlett pears	1,900	21,443
Washington and Oregon prunes	350	4,121
Cranberries	950	164,720
Hawaiian papayas	200	14,080
Dried fruits (1989 season):		
California dates	135	21,780
California dried prunes	1,300	176,054
California raisins	4,800	420,110
Vegetables (1988-89 season):		
Florida celery	11	53,208
Florida tomatoes	240	602,912
Idaho and eastern Oregon onions	337	75,117
South Texas lettuce	20	7,582
South Texas melons	36	37,475
South Texas onions	80	32,916
Georgia onions (Vidalia)	25	17,272
Texas tomatoes	250	4,763
Potatoes (1988-89 season):		
Colorado	400	125,644
Idaho and eastern Oregon	3,800	181,408
Maine	650	57,100
Oregon and Northern California	550	70,485
Southeastern States (Virginia-North Carolina)	150	11,544
Washington	385	62,921
Nuts (1989 season):		
California almonds	6,700	480,930
California walnuts	5,000	245,030
Oregon and Washington filberts	1,000	10,664
Peanuts ²	4,500	1,004,800
Spearmint oil (1989 season) ³	261	17,785
Total (45 programs) ⁴		5,593,154

¹ Includes Indian River and Interior grapefruit programs. ² Marketing agreement only; covers States of Alabama, Florida, Georgia, Mississippi, South Carolina, Arizona, Arkansas, California, Louisiana, New Mexico, Oklahoma, Texas, Missouri, North Carolina, Tennessee, and Virginia. ³ Marketing order regulating the handling of spearmint oil produced in the states of Washington, Idaho, Montana, Nevada, Utah, Oregon, and California. Farm value represents a two State value for Idaho and Washington. ⁴ Total not shown because of duplication by producers growing more than one commodity.

Agricultural Marketing Service.

CHAPTER XII

AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various resources, particularly soil, water, and timber. Forestry statistics include area of private and public-owned forest land, timber production, imports and exports, pulpwood consumption and paper and board production, area burned over by forest fires, livestock grazing, and recreational use of national forest lands. Data on production, supply, and distribution of naval stores are included because of their close association with forestry statistics.

Table 626.—Agricultural Conservation Program and Emergency Conservation Program: Assistance to farmers for carrying out conservation and pollution abatement practices, United States and Caribbean area, by program years, 1975-78 and fiscal years 1979-89

Year	Agricultural Conservation Program ¹	Emergency Conservation Program	Total
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1975.....	138,700	7,405	146,105
1976.....	134,731	15,142	149,873
1977.....	175,347	18,952	194,299
1978.....	180,940	16,318	197,258
1979 ²	245,843	23,418	269,261
1980.....	183,686	21,818	205,504
1981.....	193,209	15,410	208,619
1982.....	168,339	4,251	172,590
1983.....	184,986	10,300	195,286
1984.....	160,278	12,638	172,916
1985.....	178,801	10,700	189,501
1986.....	137,305	7,410	144,715
1987.....	137,297	3,900	141,197
1988.....	198,665	4,378	203,043
1989.....	179,244	7,226	186,470

¹ Excludes administrative expenses. Includes Long-Term Agreements from 1975. ² Because of the change to fiscal year funding in 1979, data for the period October 1, 1978-December 31, 1978 is included in the 1978 program year and the 1979 fiscal year.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

Table 627.—Agricultural Conservation Program and Emergency Conservation Program: Participation and assistance, by States and Caribbean area, 1989 fiscal year

State or Territory	Agricultural conservation program					Emergency conservation program		
	Participating farms	Area served	Assistance			Participating farms	Area served	Assistance
			Regular	Long term	Total assistance			
	Number	1,000 acres	1,000 dollars	1,000 dollars	1,000 dollars	Number	1,000 acres	1,000 dollars
AL.....	3,025	95	3,558	837	4,395	14	2	17
AK.....	19	2	17	44	61			
AZ.....	452	461	1,154	839	1,993	3	(¹)	14
AR.....	4,613	183	4,211	620	4,831	34	3	61
CA.....	1,768	269	4,522	1,180	5,702	32	10	129
CO.....	2,653	350	4,032	1,010	5,042	1	(¹)	8
CT.....	711	22	280	75	355			
DE.....	126	6	214	43	257			
FL.....	2,076	98	2,867	855	3,722	24	1	37
GA.....	3,372	148	4,354	650	5,004	275	8	340
HI.....	134	6	246	45	291	9	7	77
ID.....	1,689	235	3,121	694	3,815	42	15	76
IL.....	3,434	96	5,071	1,369	6,440	344	12	649
IN.....	2,657	56	2,935	270	3,205			
IA.....	4,463	78	5,939	1,075	7,014	530	15	666
KS.....	4,318	176	4,218	841	5,059			
KY.....	4,666	88	3,964	585	4,549	395	19	529
LA.....	3,369	161	2,823	475	3,303	1	(¹)	(²)
ME.....	1,070	38	1,013	956	1,969	6	(¹)	14
MD.....	497	8	752	201	953	11	(¹)	19
MA.....	1,020	32	409	86	495			
MI.....	5,947	248	3,887	663	4,550	3	(¹)	5
MN.....	3,108	112	2,735	361	3,096			
MS.....	3,505	117	3,947	774	4,721			
MO.....	4,853	134	6,561	712	7,273	912	60	796
MT.....	1,043	466	1,687	538	2,225	334	429	891
NE.....	3,918	442	4,136	911	5,047	113	34	233
NV.....	268	77	473	391	864	49	183	185
NH.....	471	22	487	137	624			
NJ.....	684	42	379	23	402			
NM.....	1,165	676	1,762	367	2,129	45	5	28
NY.....	2,891	76	3,197	1,005	4,202	30	2	31
NC.....	13,830	283	3,675	400	4,075	47	6	64
ND.....	4,704	549	3,734	601	4,335	64	14	62
OH.....	530	11	454	130	584	518	12	594
OK.....	3,916	187	3,298	613	3,911			
OR.....	1,532	219	2,558	1,056	3,614	12	2	25
PA.....	2,385	50	2,165	762	2,927	2	(¹)	10
RI.....	120	2	37	17	54			
SC.....	1,954	73	2,031	559	2,590	2	(¹)	2
SD.....	2,882	380	2,546	194	2,740	218	73	250
TN.....	4,393	74	3,036	475	3,511	48	1	65
TX.....	11,232	1,741	14,733	1,321	16,554	364	1,567	921
UT.....	976	150	1,773	1,353	3,126	18	1	80
VT.....	348	7	424	956	1,380	53	3	115
VA.....	4,628	112	3,071	416	3,487			
WA.....	1,905	262	3,294	677	3,971	28	1	79
WV.....	2,340	53	1,672	525	2,197	133	5	97
WI.....	3,386	66	2,785	665	3,450			
WY.....	650	271	1,210	975	2,185	12	11	11
US.....	³ 135,696	9,510	137,452	30,827	168,279	³ 4,724	2,501	7,180
Guam.....	1	(¹)	(²)		(²)			
PR.....	574	42	455	84	539			
VI.....	16	(¹)	17		17			
Total.....	³ 136,287	9,552	137,924	30,911	168,835	³ 4,724	2,501	7,180

¹ Less than 500 acres served. ² Less than \$500. ³ Totals are net totals and may not add.
Agricultural Stabilization and Conservation Service. Totals are the sum of rounded data.

Table 628.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1989 fiscal year

State or Territory	Regular and long-term agreements						
	Diversions (area served)	Conservation tillage	Permanent wildlife habitat (area served)	Sediment retention, erosion, or water control structures	Sod waterways (area served)	Windbreaks (area served)	Irrigation water conservation (area served)
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
AL.....	598	9,601	63	269	795		
AK.....	320	804				1	
AZ.....				56			18,510
AR.....	108	2,266		453	50		59,434
CA.....	496	2,122	272	136		10	97,048
CO.....	2,648	3,093	22	133	70	1,747	88,678
CT.....	50	369		1	23		4
DE.....		80	21	39	63		
FL.....	58	3,757	72	442	181		12,572
GA.....	40	6,408	122	8	830		
HI.....	177			5	41	292	113
ID.....	170	43,993	4	245	1,253	320	55,038
IL.....	988	4,446	175	1,359	28,825	212	
IN.....	187	12,454	58	1,372	4,599	15	
IA.....	165	11,277	238	392	1,359	1,801	
KS.....	7,193	440	10	57	10,771	702	18,039
KY.....	2,753	5,368	41	395	5,702		
LA.....		5,454	40	1,757	753		22,712
ME.....	613	5,014		132	964		
MD.....	204		4	90	803		
MA.....	83	263		2	1		1,291
MI.....	3,588	78,785	4,871	393	3,941	5,012	
MN.....	299	17,675	1,656	236	2,890	38,683	
MS.....	860	4,480	47	1,151	69		14,531
MO.....	428	1,322	62	353	4,629		
MT.....	2,050	2,207	192	2	1,330	2,024	23,186
NE.....	2,820	160	13	107	4,582	8,776	16,707
NV.....				6		24	24,532
NH.....		62	247	17	106		
NJ.....	56	217		4	95		135
NM.....	3,602	1,208	2	164	580	44	25,019
NY.....	2,111	4,656	43	54	1,935	156	4,869
NC.....	467	31,936	40	194	2,230		
ND.....	1,992	5,860	8,268	1	9,152	78,513	1,101
OH.....	18	203	10	234	2,323	10	
OK.....	8,818			318	25,539	121	8,593
OR.....	4,882	9,944	4	243	346	162	29,289
PA.....	2,772	1,907	20	163	7,090		
RI.....	5			1			
SC.....	15	8,763	485	7	423	34	701
SD.....	502	774	2,350	10	5,373	12,748	1,061
TN.....	871	10,387	3	561	1,032		
TX.....	28,718	57		400	24,823	32	170,147
UT.....	300	856	2	32			36,919
VT.....	285	231	511	12	48		
VA.....	145	9,366	30	11	815		
WA.....	1,561	15,156	297	113	3,156	68	16,708
WV.....	20	23			40		
WI.....	574	5,227	624	101	7,005	982	
WY.....	40			49		43	26,578
US.....	84,706	328,671	20,919	12,280	166,635	152,532	773,515
Guam.....							
PR.....	1	1,466		1			233
VI.....							
Total.....	84,707	330,137	20,919	12,281	166,635	152,532	773,748

Table 628.—Agricultural Conservation Program: Selected conservation and pollution abatement practices performed, by States and Caribbean area, 1989 fiscal year—Continued

State or Territory	Regular and long-term agreements—Continued						
	Establishing permanent cover	Improving permanent cover	Planting trees	Timber stand improvement	Water impoundment reservoirs	Strip-cropping	Terrace systems (area served)
	Acres	Acres	Acres	Acres	Number	Acres	Acres
AL.....	24,580	759	22,596	2,872	38	108	10,611
AK.....	312	436		75			
AZ.....		127,452		50	1		
AR.....	25,348	35,197	972	140	720		
CA.....	1,175	16,139	381	89	11		
CO.....	2,990	15,547			34	9,604	31,000
CT.....	870	18	18	153	2	35	5
DE.....	118	42	59	33	7		51
FL.....	12,357	3,484	16,680	1,856	2	84	946
GA.....	17,382	6,014	34,522	1,510	139		73,690
HI.....	139	577	10		1		1,685
ID.....	5,281	13,275	95	123	4	3,123	4,445
IL.....	8,110	4,034	270	671	141	2,050	16,429
IN.....	9,720	2,725	529	4,783	179		863
IA.....	8,217	1,815	210	392	429	6,621	29,112
KS.....	2,895	2,775	3	52	79		102,367
KY.....	34,995	11,134	138	106	117	442	694
LA.....	19,952	15,983	787	134	161		4,881
ME.....	1,536	1,217	831	4,535		177	45
MD.....	743	123	1,239	860	24	427	5
MA.....	890	135	44	336		6	
MI.....	36,983	5,614	2,712	555	12	828	
MN.....	7,943	388	2,507	434	66	5,562	3,190
MS.....	24,781	1,835	8,389	404	679	136	7,663
MO.....	33,556	10,155	210	1,303	550	65	44,012
MT.....	11,570	30,530	3	115	8	21,959	
NE.....	3,155	30,382			99	2,497	78,087
NV.....	720	19,446					
NH.....	607	878	57	383		30	2
NJ.....	1,379		3			100	100
NM.....	426	47,613		360	17		3,492
NY.....	20,949	1,539	384	568	3	6,666	207
NC.....	11,693	39,315	2,738	212	45	1,408	802
ND.....	17,192	183	291	2	35	1,818	142
OH.....	716	679	31	439	5	183	
OK.....	41,763	1,760	40		484		57,859
OR.....	6,062	40,299	2,510	3,389	10		49,158
PA.....	5,437	3,248	156	605	9	10,666	871
RI.....	20		7	18			
SC.....	6,852	3,201	16,847	1,459	51	1,143	199
SD.....	25,558	4,227		110	31	4,316	7,300
TN.....	33,852	3,592	665	40	562	1,593	5,664
TX.....	119,240	403,305	403		1,319		255,275
UT.....	1,619	54,956					8,608
VT.....	593	49	9	197		97	18
VA.....	13,462	33,525	4,006	1,857	232	744	145
WA.....	6,818	38,130	5,219	6,078	9	18,688	36,727
WV.....	2,384	23,493	50	127	180		
WI.....	4,942	879	5,442	1,910	8	21,622	3,985
WY.....	1,794	75,031		275	4		285
US.....	613,676	1,133,133	132,063	39,610	6,507	122,798	840,620
Guam.....							
PR.....	1,129	36,034	55		13		203
VI.....		467					2
Total.....	614,805	1,169,634	132,118	39,610	6,520	122,798	840,825

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Table 629.—Agricultural Conservation Program: ¹ Selected conservation and pollution abatement measures performed, United States and Caribbean area, annual 1980-89 and total 1936-89

Practice	Unit	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	Total 1936-89
Terrace systems ²	1,000 acres	491	454	427	513	388	442	342	572	964	841	41,155
Sod waterways ²	do	740	727	489	453	207	230	176	133	224	167	17,151
Conservation tillage systems	do	377	717	733	919	1,009	1,076	631	423	445	330	7,081
Stripcropping systems	do	112	120	125	127	102	131	92	82	139	123	116,252
Establishing permanent vegetative cover	do	900	817	714	964	667	772	542	522	646	615	75,037
Cropland protective cover	do	1,281	1,495	1,115	1,100	791	798	637	601	750	636	509,279
Improving permanent vegetative cover	do	1,958	1,961	1,728	1,828	1,337	1,519	1,011	1,014	1,373	1,170	164,322
Planting trees or shrubs	do	49	53	55	66	55	87	98	130	156	132	6,308
Timber stand improvement	do	62	75	54	38	25	34	27	21	38	40	5,466
Permanent wildlife habitat ²	do	36	46	46	40	23	23	20	15	24	21	5,367
Water impoundment reservoirs	Number	11,865	12,271	7,423	7,020	5,987	5,756	4,783	5,626	8,480	6,520	2,473,755
Grazing land protection	do	11,573	13,977	9,411	9,151	7,701	8,764	6,664	6,801	12,502	13,764	565,970
Contour farming	do	27	24	24	20	29	35	21	21	20	23	140,138
Diversions ²	1,000 acres	136	128	123	111	112	95	71	66	102	85	7,164
Sediment retention, erosion, or water control structures	Number	14,266	15,968	12,142	12,646	12,462	14,081	12,655	10,427	16,007	12,281	3,468,562

¹ In 1974, the data include the Regular, Long-Term Agreement, and Forestry Incentive Programs. From 1975, the data include the Regular and Long-Term Agreement Programs.

² In area served.

Agricultural Stabilization and Conservation Service. Totals are from unrounded data.

Table 630.—Water Bank Program, status of agreements carried out, 1980 through Sept. 30, 1989, by States

State	Number of agreements	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
AR.....	310	46,698	30,051	16,647	328,191
CA.....	95	25,065	6,713	18,352	382,178
LA.....	274	40,618	19,754	20,864	480,664
ME.....	36	1,396	467	929	12,975
MI.....	37	1,721	517	1,204	33,093
MN.....	1,214	60,576	17,835	42,741	1,622,641
MS.....	459	65,045	25,410	39,635	552,790
MT.....	107	13,178	2,750	10,428	208,250
NE.....	78	5,339	1,107	4,232	130,896
ND.....	1,133	160,292	51,944	108,348	2,591,907
SD.....	630	69,665	19,964	49,701	1,022,582
WI.....	383	19,444	7,598	11,846	497,324
Total.....	4,756	509,037	184,110	324,927	7,863,491

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Table 631.—Summary of status of agreements carried out under the Water Bank Program, 1980 through Sept. 30, 1989, by years

Program year	Number of agreements ¹	Designated acres			Annual payment
		Total	Wetlands	Adjacent	
	<i>Number</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Dollars</i>
1980.....	542	60,929	17,155	43,774	987,123
1981.....	274	26,251	8,309	17,942	388,966
1982.....	523	44,115	15,650	28,465	679,614
1983.....	506	52,843	16,656	36,187	819,721
1984.....	589	59,167	22,829	36,338	849,218
1985.....	577	61,310	22,691	38,619	861,681
1986.....	316	35,451	12,481	22,970	544,394
1987.....	475	53,108	18,749	34,359	835,485
1988.....	486	61,670	24,902	36,768	949,577
1989.....	456	52,749	24,241	28,508	926,819
1990 ¹	12	1,444	447	997	20,893
Total.....	4,756	509,037	184,110	324,927	7,863,491

¹ The agreements were entered into in 1989. Since compliance could not be rendered during 1988, the agreements were given the beginning date of January 1, 1990.

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Table 632.—Forestry Incentives Program, practices performed, by States and Caribbean area, 1989 fiscal year and cumulative 1975-89 ¹

State	1989				Cumulative 1975-89			
	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices	Planting trees	Improving a stand of forest trees	Site prep for natural regeneration	Special forestry practices
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
AL.....	11,995	338	74		260,064	25,023	560	
AZ.....		56			13	1,528		
AR.....	12,153	737	1,105		149,927	101,392	5,891	7,981
CA.....	181	191			8,276	9,177		
CO.....	26	123			227	4,418	10	
CT.....					1,097	7,456		2,336
DE.....	176	384			4,586	1,253		
FL.....	15,832	1,123	40		211,628	8,347	193	
GA.....	14,201	550	182		227,201	16,612	676	
HI.....					250			
ID.....	75	214			908	2,521	18	
IL.....	199	1,232	150		2,576	27,363	243	
IN.....	139	2,338	205		3,267	64,736	1,540	
IA.....	100	190			2,443	6,208	20	
KS.....		46			441	4,375		
KY.....	214	1,508	441		3,602	50,624	1,068	2,121
LA.....	12,779	1,014	553		134,132	43,885	1,350	
ME.....	86	372	184		6,328	17,486	184	
MD.....	1,315	476			20,118	11,307	27	
MA.....	75	919	30		300	32,818	30	739
MI.....	1,016	169			23,763	36,415		
MN.....	232	59	29		14,599	12,425	349	648
MS.....	21,531	516			223,156	26,999	1,008	16
MO.....	198	1,363			11,514	80,027		
MT.....					116	4,299	107	
NE.....	11	10			553	1,771		
NV.....					526	50		
NH.....		560	127		112	25,952	631	
NJ.....		10			927	12,089		
NM.....		21			65	6,561		
NY.....	189	1,057			3,949	59,332	110	4,323
NC.....	17,976	513			243,039	18,215	427	
ND.....					207	141		48
OH.....	90	1,076			10,707	66,944	566	
OK.....	768	374			16,814	31,018		
OR.....	2,702	1,830			37,234	20,304		
PA.....	26	744	37		5,133	32,117	195	
PR.....	97				1,098	10		
RI.....		60			132	2,339		
SC.....	12,072	218			198,920	9,660	149	
SD.....		154			29	3,494		
TN.....	2,292		146		23,765	15,210	387	
TX.....	11,079	1,096			138,683	49,774		
UT.....						12		
VT.....	20	355			393	20,388	224	16,368
VA.....	19,223	3,584			242,549	32,884	29	
WA.....	3,610	256			28,901	9,647		
WV.....	272	1,595	10		5,765	91,057	73	24,094
WI.....	1,183	1,219	304		26,958	30,490	1,757	265
WY.....		1,933			4	9,179		
Total.....	164,133	30,533	3,617		2,296,995	1,145,332	17,822	58,939

¹ In 1974, the program was part of the Rural Environmental Conservation Program (now called the Agricultural Conservation Program). Data for the program year were published in the 1974 Rural Environmental Conservation Program Summary. In 1975 it became a separately funded program.

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Table 633.—Forestry Incentives Program, participation and assistance, by States and Caribbean area, 1989 fiscal year

State	Participants	Area served	Assistance		
			Regular	Long term	Total assistance
	<i>Number</i>	<i>Acres</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
AL.....	327	12,407	874,705		874,705
AK.....	1				
AZ.....	1	56	2,223		2,223
AR.....	345	13,995	692,647		692,647
CA.....	22	372	61,267		61,267
CO.....	7	149	8,607		8,607
CT.....					
DE.....	14	510	39,902		39,902
FL.....	281	16,995	1,007,377		1,007,377
GA.....	371	14,933	1,335,638		1,335,638
HI.....					
ID.....	9	289	23,675	3,909	27,584
IL.....	65	1,581	21,412	641	22,053
IN.....	76	2,682	65,077	844	65,921
IA.....	17	290	20,977		20,977
KS.....	3	46	1,947		1,947
KY.....	68	2,163	91,553		91,553
LA.....	303	14,346	687,409		687,409
ME.....	24	642	36,242	14,941	51,183
MD.....	44	1,791	125,370	12,438	137,808
MA.....	58	1,024	42,276	6,115	48,391
MI.....	73	1,185	61,164	20,009	81,173
MN.....	17	320	21,922	645	22,567
MS.....	388	22,047	1,071,518		1,071,518
MO.....	40	1,561	46,053		46,053
MT.....					
NE.....	2	21	1,170		1,170
NV.....					
NH.....	47	687	36,136	815	36,951
NJ.....	2	10	200		200
NM.....	2	21	837		837
NY.....	83	1,246	57,260	10,515	67,775
NC.....	495	18,489	633,780		633,780
ND.....					
OH.....	43	1,166	36,858		36,858
OK.....	25	1,142	57,348	810	58,158
OR.....	102	4,532	452,121	23,118	475,239
PA.....	40	807	36,029		36,029
PR.....					
RI.....	5	97	12,794		12,794
SC.....	331	12,290	815,347	1,302	816,649
SD.....	13	154	9,822		9,822
TN.....	46	2,438	133,518		133,518
TX.....	318	12,175	655,653		655,653
UT.....					
VT.....	36	375	19,454	1,300	20,754
VA.....	563	22,807	813,413		813,413
WA.....	72	3,866	369,561		369,561
WV.....	90	1,877	59,648	5,604	65,252
WI.....	143	2,706	125,959	3,215	129,174
WY.....	34	1,933	96,432		96,432
Total.....	5,048	198,283	10,762,608	106,221	10,868,829

Agricultural Stabilization and Conservation Service.

Table 634.—Soil conservation districts: Funds appropriated by State and local governments for conservation programs, fiscal year ending Sept. 30, 1989

State or Territory	Actual appropriations	State or Territory	Actual appropriations
	<i>1,000 dollars</i>		<i>1,000 dollars</i>
AL.....	5,013	NV.....	178
AK.....	74	NH.....	285
AZ.....	1,582	NJ.....	6,865
AR.....	2,742	NM.....	977
CA.....	4,405	NY.....	19,553
CO.....	1,500	NC.....	17,163
CT.....	3,950	ND.....	1,854
DE.....	5,025	OH.....	11,311
FL.....	7,896	OK.....	6,381
GA.....	5,720	OR.....	2,190
HI.....	10,764	PA.....	5,429
ID.....	2,506	RI.....	50
IL.....	9,878	SC.....	4,554
IN.....	15,040	SD.....	1,144
IA.....	18,228	TN.....	2,592
KS.....	12,053	TX.....	99,296
KY.....	8,080	UT.....	8,211
LA.....	3,385	VT.....	468
ME.....	1,093	VA.....	10,990
MD.....	16,595	WA.....	8,072
MA.....	802	WV.....	5,631
MI.....	6,422	WI.....	20,223
MN.....	54,554	WY.....	4,159
MS.....	3,876	Caribbean ¹	9,277
MO.....	21,769	Pacific Basin ²	511
MT.....	5,705	Total.....	507,431
NE.....	31,405		

¹ Puerto Rico and Virgin Islands. ² Guam and Northern Marianas.

Soil Conservation Service.

Table 635.—Soil conservation districts: Number organized each year, approximate total area and land in farms, United States and Territories, 1975-90

Year ¹	Number districts organized ²		Total area in districts	
	Net increase for the year	Cumulative total	New districts and additions	Cumulative total
	<i>Number</i>	<i>Number</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1975.....	-5	2,942	1,968	2,213,735
1976.....	-2	2,940	2,450	2,216,185
1977.....	-3	2,937	1,578	2,217,763
1978.....		2,937	-2,735	2,215,028
1979.....		2,937		2,215,028
1980.....	-5	2,932	-3,602	2,211,426
1981.....	5	2,932	7,649	2,219,075
1982.....	1	2,938	44	2,219,119
1983.....		2,939		2,219,119
1984.....	2	2,941	135	2,219,254
1985.....	1	2,940	100	2,219,154
1986.....	7	2,947	-24,839	2,194,315
1987.....	-6	2,941	3,219	2,197,534
1988.....	15	2,956	-13,837	2,183,697
1989.....		2,956		2,183,697
1990.....	-1	2,955	-3,227	2,180,470

¹ Fiscal years July 1 to June 30 to 1976; Oct. 1 through Sept. 30 through 1990. ² Totals at the end of each year are net, including corrections and adjustments made during the year.

Soil Conservation Service.

Table 636.—Soil conservation districts: Dates of State Laws, number of districts organized, approximate total area and number of farms, cumulative through Sept. 30, 1990

State or Territory	Date district law became effective	Districts organized ¹	Approximate area and number of farms within organized districts	
			Total area	Farms (and ranches)
		Number	1,000 acres	Thousands
AL.....	Mar. 18, 1939	67	32,454	115,917
AK.....	Mar. 25, 1947	10	375,304	1,469
AZ.....	June 16, 1941	38	75,989	2,496
AR.....	July 1, 1937	76	33,176	51,871
CA.....	June 26, 1938	118	75,202	83,000
CO.....	May 6, 1937	80	61,257	30,693
CT.....	July 18, 1945	8	3,135	3,605
DE.....	Apr. 2, 1943	3	1,309	2,966
DC.....	July 12, 1982	1	44	0
FL.....	June 10, 1937	63	32,686	60,193
GA.....	Mar. 23, 1937	40	37,665	78,353
HI.....	May 19, 1947	15	4,035	4,944
ID.....	Mar. 9, 1939	51	52,416	32,103
IL.....	July 9, 1937	98	28,502	89,070
IN.....	Mar. 11, 1937	92	23,168	70,506
IA.....	July 4, 1939	100	36,016	107,000
KS.....	Apr. 10, 1937	105	51,873	133,197
KY.....	June 11, 1940	121	25,377	102,000
LA.....	July 27, 1938	43	26,414	27,766
ME.....	Mar. 25, 1941	16	18,735	17,421
MD.....	June 1, 1937	24	6,636	14,776
MA.....	June 28, 1945	16	5,065	6,558
MI.....	July 23, 1937	83	36,034	58,742
MN.....	Apr. 26, 1937	90	50,921	123,306
MS.....	Apr. 4, 1938	82	30,236	126,481
MO.....	July 23, 1943	112	41,755	145,918
MT.....	Feb. 28, 1939	59	88,703	26,285
NE.....	May 18, 1937	23	47,795	59,504
NV.....	Mar. 30, 1937	29	50,339	3,217
NH.....	May 10, 1945	10	5,955	2,515
NJ.....	July 1, 1937	16	4,779	8,277
NM.....	Mar. 17, 1937	47	75,295	27,135
NY.....	July 20, 1940	57	30,438	40,180
NC.....	Mar. 22, 1937	100	33,709	73,557
ND.....	Mar. 16, 1937	60	42,958	42,512
OH.....	June 5, 1941	88	26,260	87,134
OK.....	Apr. 15, 1937	89	44,000	128,209
OR.....	Apr. 7, 1939	45	58,730	31,362
PA.....	July 2, 1937	66	28,503	52,374
RI.....	Apr. 26, 1943	3	675	614
SC.....	Apr. 17, 1937	47	19,912	26,000
SD.....	July 1, 1937	69	49,355	36,376
TN.....	Mar. 10, 1939	95	25,353	163,477
TX.....	Apr. 24, 1939	210	147,379	239,816
UT.....	Mar. 23, 1937	38	49,857	15,644
VT.....	Apr. 18, 1939	14	6,186	5,877
VA.....	Apr. 1, 1938	45	25,346	52,195
WA.....	Mar. 17, 1939	48	38,350	42,111
WV.....	June 12, 1939	14	14,439	17,237
WI.....	July 1, 1937	72	35,938	82,199
WY.....	May 22, 1941	34	62,094	10,462
US.....		2,930	2,177,803	2,764,920
VI.....	June 1946	18	2,311	31,004
PAC ²	May 31, 1984	6	271	1,000
PR.....	July 1, 1946	1	85	1
Total.....		2,955	2,180,470	2,796,925

¹ For specific procedure on organization of soil conservation districts, reference should be made to each of the respective State soil conservation district's laws. ² Guam and Northern Marianas.

Soil Conservation Service.

Table 637.—Soil surveys: Total area mapped for conservation planning and other uses under all programs, by States and Territories, year ending Sept. 30, 1989, and cumulative through Sept. 30, 1989

State or Territory	Progressive Soil Survey Program ¹			State or Territory	Progressive Soil Survey Program ¹		
		Work during year ending Sept. 30, 1989	Total to date			Work during year ending Sept. 30, 1989	Total to date
	<i>Acres mapped</i>	<i>Acres updated</i>	<i>Acres</i>		<i>Acres mapped</i>	<i>Acres updated</i>	<i>Acres</i>
AL.....	666,741	44,145	26,764,671	NV.....	1,519,091	139,960	51,183,864
AK.....	64,644	442,900	38,027,049	NH.....	33,000	43,000	5,063,039
AZ.....	1,517,023	0	42,469,298	NJ.....	0	0	4,703,100
AR.....	166,998	278,290	32,393,404	NM.....	303,166	176,856	67,495,212
CA.....	888,795	345,644	71,274,352	NY.....	979,984	243,446	26,455,838
CO.....	1,226,612	221,683	58,580,009	NC.....	1,033,299	41,346	26,991,917
CT.....	0	0	3,211,700	ND.....	2,937,466	183,736	40,131,667
DE.....	0	135,000	1,308,500	OH.....	422,000	252,130	26,166,905
FL.....	1,069,000	131,000	30,093,905	OK.....	0	208,520	44,771,700
GA.....	325,101	202,117	33,347,022	OR.....	1,193,843	15,000	31,961,261
HI.....	0	0	4,582,436	PA.....	0	409,416	28,997,200
ID.....	537,800	0	32,291,095	RI.....	0	0	775,900
IL.....	1,943,658	32,148	33,861,905	SC.....	126,492	109,346	19,895,730
IN.....	0	70,505	23,158,600	SD.....	740,000	0	47,422,074
IA.....	118,889	297,707	36,016,200	TN.....	419,496	226,067	23,562,189
KS.....	0	231,575	52,657,500	TX.....	1,124,131	1,358,805	155,332,078
KY.....	590,990	128,502	23,187,832	UT.....	812,025	45,000	44,842,793
LA.....	1,131,908	196,862	26,426,658	VT.....	161,352	3,611	4,462,482
ME.....	295,583	94,035	14,545,336	VA.....	1,010,000	0	18,436,181
MD.....	0	109,800	6,694,500	WA.....	516,142	263,175	34,071,818
MA.....	31,665	27,183	5,301,800	WV.....	362,615	73,300	13,008,205
MI.....	1,076,566	240	28,303,038	WI.....	477,668	112,380	30,343,836
MN.....	1,589,292	474,725	38,316,844	WY.....	379,107	185,414	37,570,537
MS.....	309,465	280,569	27,007,553	Caribbean ²	0	0	2,333,800
MO.....	2,218,409	81,507	32,718,344				
MT.....	5,440,458	3,350	68,812,479	Total.....	36,253,649	8,046,915	1,623,908,831
NE.....	492,170	117,920	46,577,475				

¹ The National Cooperative Soil Survey of the Soil Conservation Service and cooperating agencies is designed to locate, classify, describe, and show on maps the different kinds of soil and make multiple-use interpretations of each kind of soil for town-and-country planning and for other purposes. ² Puerto Rico and Virgin Islands.

Soil Conservation Service.

Table 638.—Land protected from erosion by soil conservation practices: Newly applied in soil conservation districts with Soil Conservation Service assistance, fiscal years 1985–89

Land protected from erosion	Unit	1985	1986	1987	1988	1989
Cropland.....	Acres.....	15,051,298	15,900,000	20,317,696	22,883,640	23,038,757
Pasture and hayland.....	.....do.....	4,894,898	5,100,000	5,184,482	6,167,604	5,401,220
Range and native pasture.....	.....do.....	31,227,673	32,200,000	26,186,535	28,184,587	29,249,034
Woodland.....	.....do.....	1,650,995	2,000,000	1,790,156	1,818,494	2,191,268
Wildlife.....	.....do.....	1,493,655	1,700,000	1,655,329	1,648,216	2,311,863
Recreation.....	.....do.....	88,588	100,000	62,348	42,728	42,811
All others.....	.....do.....	157,267	300,000	375,958	1,085,027	456,473
Total land protected.....	Acres.....	54,564,374	57,300,000	55,572,504	61,830,296	62,691,426

n.a. not available.

Soil Conservation Service.

Table 639.—Land protected from erosion by soil conservation practices: Applied through farmer-district cooperation and cooperation with other agencies, with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1989

State or Territory	Cropland	Pasture and hayland	Range native pasture	Woodland	Wildlife	Recreation	Other land	Total land protected
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
AL.....	205,862	121,376	0	116,191	14,147	803	1,030	459,409
AK.....	6,469	3,432	2,075,000	3	26,743	0	300	2,111,947
AZ.....	6,448	605	1,171,567	0	276,415	0	0	1,455,035
AR.....	286,732	205,070	17,973	75,006	23,954	895	3,763	613,398
CA.....	225,019	73,390	134,162	9,399	14,330	727	7,263	464,290
CO.....	548,558	279,968	489,327	8,503	162,368	19	1,675	1,490,413
CT.....	2,607	0	0	15	0	0	252	2,874
DE.....	46,301	970	0	792	3,128	1	29	51,221
FL.....	90,724	113,128	118,566	39,974	35,347	50	134	397,923
GA.....	343,331	121,649	989	653,759	34,905	842	3,925	1,159,400
HI.....	28,614	15,066	27,256	0	813	0	331	72,080
ID.....	217,137	37,895	115,510	1,699	107	0	4,303	376,651
IL.....	764,392	95,478	129	5,796	54,883	637	1,907	923,222
IN.....	225,390	16,314	0	2,152	7,548	287	873	252,564
IA.....	1,686,988	61,043	11	1,736	266,438	3	3,756	2,019,975
KS.....	1,881,210	30,709	142,211	95	6,594	0	489	2,061,308
KY.....	351,309	120,117	0	11,807	4,755	845	2,674	491,507
LA.....	359,134	91,563	26,799	177,770	197,474	557	1,677	854,974
ME.....	17,805	1,933	0	3,816	5	0	799	24,358
MD.....	98,917	2,894	0	2,439	5,462	7	3,697	113,416
MA.....	3,953	362	0	184	0	0	0	4,499
MI.....	280,427	29,508	21	20,342	13,544	994	1,804	346,640
MN.....	677,658	23,390	279	3,776	16,157	146	9,744	731,150
MS.....	278,398	440,087	382	113,043	37,136	427	4,216	873,689
MO.....	322,874	143,008	89	8,478	22,122	183	213,052	709,806
MT.....	1,143,541	199,705	935,285	1,534	2,454	3	5,041	2,287,563
NE.....	1,136,409	149,680	780,509	607	57,390	160	53,130	2,177,885
NV.....	7,750	139,308	1,257,239	0	15,712	0	705	1,420,714
NH.....	2,760	1,810	0	3,579	213	137	246	8,745
NJ.....	8,062	929	10	16	135	16	9	9,177
NM.....	209,120	19,988	3,420,221	24,709	13,323	707	1,597	3,689,665
NY.....	89,774	7,365	56	818	4	108	595	98,720
NC.....	219,323	14,919	5	5,027	2,462	85	5,634	247,455
ND.....	1,072,021	114,897	519,605	589	70,965	124	30,751	1,808,952
OH.....	111,643	37,603	22	1,747	720	241	97	152,073
OK.....	327,453	272,461	173,771	6,001	6,155	109	21	785,371
OR.....	254,275	29,787	135,584	13,334	7,038	29	6,538	446,885
PA.....	119,447	11,876	2	334	130	40	1,029	132,853
RI.....	156	35	0	0	0	0	0	191
SC.....	96,591	22,079	94	51,636	9,521	220	1,339	181,480
SD.....	488,946	77,761	558,193	190	17,858	8	9,522	1,152,473
TN.....	71,311	30,831	0	5,096	825	240	3,625	111,928
TX.....	7,012,222	1,925,172	16,063,358	659,116	832,531	32,933	41,542	26,566,874
UT.....	52,075	8,797	194,201	3,847	3,537	0	0	262,457
VT.....	2,256	3,643	0	2,028	325	0	18	8,270
VA.....	34,937	51,567	0	2,984	30	3	3,405	92,926
WA.....	430,346	43,027	288,563	108,445	10,617	50	136	881,184
WV.....	13,804	45,166	5	908	1,857	121	321	62,182
WI.....	1,014,025	55,689	29	41,120	9,250	6	995	1,121,114
WY.....	136,939	82,078	583,757	694	24,424	48	22,484	850,424
Caribbean ¹ ..	27,314	26,092	17,949	134	12	0	0	71,501
Total.....	23,038,757	5,401,220	29,249,034	2,191,268	2,311,863	42,811	456,473	62,691,426

¹ Puerto Rico and Virgin Islands.
Soil Conservation Service.

Table 640.—Conservation plans: Active district cooperators and conservation plans prepared under all programs and area covered in soil conservation districts with Soil Conservation Service assistance, by States and Territories, year ending Sept. 30, 1989

State or Territory	Progress, year ending Sept. 30, 1989		
	New SCD cooperators		New conservation plans ¹
	Number	Acres	Acres
AL.....	1,265	104,675	184,824
AK.....	25	10,809	14,568
AZ.....	651	4,315,143	841,792
AR.....	929	200,388	408,523
CA.....	619	225,590	186,721
CO.....	1,198	1,152,330	1,624,540
CT.....	30	4,181	8,079
DE.....	99	13,809	30,485
FL.....	537	226,692	258,171
GA.....	503,007	116,725	311,379
HI.....	149	5,477	44,683
ID.....	86	26,313	154,349
IL.....	4,513	692,769	903,647
IN.....	236	26,380	209,573
IA.....	40,577	5,862,368	3,107,616
KS.....	2,227	1,022,659	1,960,198
KY.....	5,608	671,948	877,717
LA.....	1,197	566,876	540,473
ME.....	87	35,949	63,649
MD.....	1,131	123,993	249,267
MA.....	47	3,708	8,095
MI.....	811	153,036	444,978
MN.....	3,652	886,360	672,747
MS.....	1,176	112,551	237,018
MO.....	7,082	1,029,573	1,271,695
MT.....	890	1,584,331	6,857,939
NE.....	2,546	634,620	1,822,099
NV.....	78	176,874	869,151
NH.....	57	4,967	9,601
NJ.....	28	2,642	17,634
NM.....	736	1,474,000	1,634,313
NY.....	172	26,167	86,215
NC.....	5,329	451,124	245,026
ND.....	797	377,705	1,188,413
OH.....	1,071	99,764	144,954
OK.....	6,733	2,297,034	4,367,528
OR.....	154	163,270	255,352
PA.....	459	59,084	397,847
RI.....	6	85	679
SC.....	1,761	251,312	193,502
SD.....	2,813	3,221,634	1,325,025
TN.....	8,154	639,778	500,569
TX.....	13,598	5,097,162	7,055,008
UT.....	128	103,630	396,177
VT.....	52	9,417	55,198
VA.....	847	131,009	176,505
WA.....	362	375,390	379,355
WV.....	600	51,083	126,878
WI.....	828	227,443	396,306
WY.....	108	347,215	1,026,329
Caribbean ²	244	20,202	34,775
Total.....	625,430	35,417,249	44,177,165

¹ Includes conservation plans prepared on farms and ranches of SCD cooperators who signed agreements in prior years. ² Puerto Rico and Virgin Islands.

Soil Conservation Service.

Table 641.—Great Plains Conservation Program: ¹ Status of cost-share contracts, by States, year ending Sept. 30, 1989

State	Designated counties	Active land treatment contracts in operation	
		1989	
	Number	Number	1,000 acres
CO.....	38	464	1,493
KS.....	62	783	542
MT.....	40	338	2,286
NE.....	61	519	1,242
NM.....	19	172	2,113
ND.....	38	508	1,090
OK.....	43	417	567
SD.....	51	584	2,101
TX.....	147	1,158	2,231
WY.....	19	186	1,952
Total.....	518	5,129	15,617

¹ As authorized by the Act of Congress August 7, 1956 (Public Law 1021, 84th Congress).
Soil Conservation Service.

Table 642.—Watershed protection ¹ and flood prevention projects: ² Works of improvement installed with the assistance of the Soil Conservation Service with watershed protection and flood prevention funds for year ending Sept. 30, 1989

Item	Unit	Watershed and flood prevention projects
Flood prevention subwatersheds in operation during year.....	Number.....	333
Watershed projects in operation during year.....	.....do.....	770
Land protected from erosion:		
Cropland.....	Acres.....	536,116
Pasture and hayland.....	.....do.....	1,174,500
Range and native pasture.....	.....do.....	1,074,892
Woodland.....	.....do.....	15,987
Wildlife.....	.....do.....	86,262
Recreation.....	.....do.....	9,031
Other.....	.....do.....	16,232
Total land ³.....	.....do.....	2,913,020

¹ As authorized by the Soil Conservation Act of 1935 (Public Law 46, 74th Congress) and Watershed Protection and Flood Prevention Act P.L. 566, as amended. ² All of the 11 watersheds were approved Dec. 22, 1944; however, flood control funds did not become available for works of improvement until 1946. As of Sept. 30, 1985, work in two watersheds were completed. ³ Land protected data included in Table 639 "Land Protected From Erosion by Soil Conservation Practices."
Soil Conservation Service.

Table 643.—Small watershed protection and flood prevention projects: Accomplishments for years ending Sept. 30, 1985-89

Item	Unit of measure	1985	1986	1987	1988	1989
Small watershed protection: ¹						
Land treatment: ²						
Forest land.....	Acres.....	7,492	9,785	5,462	9,692	8,735
Cropland.....	.....do.....	1,488	2,802	1,061	2,079	2,395
Pastureland.....	.....do.....	598	1,121	424	831	156
Total land treatment.....	.....do.....	9,578	13,708	6,947	12,602	11,286
Land owners assisted.....	Number.....	675	581	372	1,068	1,238
Flood prevention: ³						
Land treatment: ²						
Forest land.....	Acres.....	17,890	18,702	6,399	6,742	15,349
Cropland.....	.....do.....	1,160	925	793	454	253
Pastureland.....	.....do.....	464	370	317	182	259
Total land treatment.....	.....do.....	19,514	19,997	7,509	7,378	15,861
Land owners assisted.....	Number.....	3,100	3,416	5,113	2,932	2,091

¹ As authorized by the Watershed Protection and Flood Prevention Act of 1954 (Public Law 83-566), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds.
² Reported in land use categories consistent with those reported by the Soil Conservation Service. ³ As authorized by the Navigation and Flood Control Act of 1944 (Public Law 78-534), as amended. Accomplishments are limited to activities accomplished solely by small watershed protection program funds.
Forest Service.

Table 644.—Tree planting: Acres seeded and acres of windbarrier planting, in States and Territories, fiscal year 1989

State or other area	Total	Federal lands			Non-federal public ¹ lands	Private ² lands
		Total	National Forests	Other ³		
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
AL.....	301,135	5,014	4,336	678	2,376	293,745
AK.....	1,728	672	672		696	360
AZ.....	1,800	1,473	1,472	1		327
AR.....	145,006	15,016	14,922	94	230	129,760
CA.....	89,986	63,869	62,598	1,271	404	25,713
CO.....	6,821	1,716	1,422	294	144	4,961
CT.....	929	6		6	65	858
DE.....	824					824
FL.....	266,082	14,414	13,908	506	2,633	249,035
GA.....	484,791	5,606	4,020	1,586	569	478,616
HI.....	217				80	137
ID.....	36,769	23,538	22,699	839	2,189	11,042
IL.....	6,299	50	50		600	5,649
IN.....	4,192	28		28	121	4,043
IA.....	7,286	110		110	102	7,074
KS.....	2,420	49		49	232	2,139
KY.....	14,267	1,525	1,455	70	2	12,740
LA.....	149,811	7,348	7,306	42		142,463
ME.....	10,225				18	10,207
MD.....	7,854	151		151	225	7,478
MA.....	1	1			1	
MI.....	18,595	3,269	3,249	20	4,865	10,461
MN.....	43,266	3,367	2,908	459	19,866	20,033
MS.....	256,967	12,666	11,317	1,349	14,030	230,271
MO.....	5,721	2,286	2,214	72		3,435
MT.....	33,744	20,367	18,594	1,773	1,267	12,110
NE.....	5,226	26	20	6	75	5,125
NH.....	255				145	110
NJ.....	281	40	40		84	241
NM.....	572	24		24		464
NY.....	2,955	2,738	2,218	520		217
NC.....	6,333				298	6,040
ND.....	142,051	3,085	2,664	421	549	138,417
OH.....	408	51		51	12	345
OK.....	3,255	248	186	62		3,007
OR.....	19,969	2,024	1,716	308		17,945
PA.....	215,133	116,497	76,727	39,770	8,959	89,677
RI.....	1,509	2		2		1,507
SC.....	101					101
SD.....	218,453	9,187	6,292	2,895	582	208,684
TN.....	6,084	621	404	217	323	5,140
TX.....	26,829	2,537	2,180	357	860	23,432
UT.....	163,281	6,159	6,110	49	35	157,087
VT.....	1,351	977			105	269
WA.....	655	157	157			498
VA.....	117,297	1,614	1,301	313	1,288	114,395
WV.....	177,941	35,448	30,276	5,172	12,493	130,000
WI.....	3,500	25	20	5	9	3,466
WY.....	9,520	3,097	1,750	1,347		6,423
	1,346	1,286	941	345	40	20
State totals.....	3,021,046	368,384	307,121	61,263	76,571	2,576,091
PR.....	345	17	17		26	302
Other ⁴	557				64	493
Total.....	3,021,948	368,401	307,138	61,263	76,661	2,576,886

¹ State forest, other State, and other public agencies lands. ² Forest industry, other industry, and nonindustrial lands. ³ U.S. Department of Interior and Indian Reservations, and other federal lands. ⁴ Guam and the Trust Territories of the Pacific Islands.

Forest Service.

Table 645.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 1987 ¹

Region	Total forest land ²	Timberland ³							
		All owner-ships	Federal			State, county, and municipal ⁴	Private		
			Total	National forest	Other		Total	Forest industry	Farmer and other private
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Northeast	85,251	80,102	2,936	2,212	724	6,834	70,332	12,590	57,742
North Central	80,221	74,584	7,990	7,253	737	13,227	53,367	4,361	49,006
Great Plains	4,229	3,529	993	943	50	232	2,304	21	2,283
North	169,701	158,215	11,919	10,408	1,511	20,293	126,003	16,972	109,031
Southeast	87,744	84,594	6,983	4,871	2,112	1,789	75,822	16,793	59,029
South Central	115,741	110,790	8,917	6,896	2,021	1,994	99,879	21,438	78,441
South	203,485	195,384	15,900	11,767	4,133	3,783	175,701	38,231	137,470
Pacific Northwest ⁵	178,958	54,697	22,424	19,487	2,937	9,534	22,739	9,702	13,037
Pacific Southwest ⁶	41,129	17,412	9,051	8,742	309	544	7,817	2,757	5,060
Rocky Mountains	138,104	57,611	37,709	34,819	2,890	5,196	14,706	2,943	11,763
West	358,191	129,720	69,184	63,048	6,136	15,274	45,262	15,402	29,860
All regions	731,377	483,319	97,003	85,223	11,780	39,350	346,966	70,605	276,361

¹ Data may not add to totals because of rounding. ² Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees, and forest areas adjacent to urban and built-up lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width at least 120 feet wide to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet in width. ³ Timberland is forest land which is producing or is capable of producing crops of industrial wood and not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing in excess of 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. ⁴ Includes Indian lands.

⁵ Includes Alaska. ⁶ Includes Hawaii.

Forest Service.

Table 646.—Timber volume: Net volume of growing stock and sawtimber on timberland, by softwoods and hardwoods, and regions, Jan. 1, 1987 ¹

Region	Growing stock ²			Sawtimber ³		
	All species	Softwoods	Hardwoods	All species	Softwoods	Hardwoods
	Million cubic feet	Million cubic feet	Million cubic feet	Million board feet	Million board feet	Million board feet
Northeast	109,135	31,391	77,744	252,133	80,476	171,707
North Central	77,905	16,009	61,896	207,088	45,255	161,833
Great Plains	3,380	1,912	1,468	11,742	6,807	4,935
North	190,420	49,312	141,108	471,013	132,538	338,475
Southeast	114,166	50,804	63,362	352,538	169,086	183,452
South Central	123,868	52,994	70,874	404,624	211,053	193,571
South	238,034	103,798	134,236	757,162	380,139	377,023
Pacific Northwest ⁴	168,831	153,074	15,757	888,736	842,838	45,898
Pacific Southwest ⁵	54,051	46,311	7,740	313,183	289,193	23,970
Rocky Mountains	104,599	98,386	6,213	399,196	386,904	12,292
West	327,481	297,771	29,710	1,601,095	1,518,985	82,160
All regions	755,935	450,881	305,054	2,829,270	2,031,612	797,658

¹ Data may not add to totals because of rounding. ² Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. ³ Live trees of commercial species containing at least one 12-foot sawlog or two noncontiguous 8-foot logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 9.0-inches diameter and hardwood trees must be at least 11.0-inches diameter at 4½ feet above ground. ⁴ Includes Alaska. ⁵ Includes Hawaii.

Forest Service.

Table 647.—Timber volume: Net volume of sawtimber on timberland in the West, by regions and species, Jan. 1, 1987 ¹

Species	Total West	Pacific Northwest ²	Pacific Southwest ³	Rocky Mountains
Softwoods:	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>	<i>Million board feet</i>
Douglas-fir	510,030	333,959	80,131	95,940
Ponderosa and Jeffrey pines	188,277	62,869	55,481	69,927
True fir	208,756	73,550	78,898	56,308
Western hemlock	195,902	192,080	206	3,616
Sugar pine	24,000	3,274	20,708	18
Western white pine	14,330	4,417	2,180	7,733
Redwood	30,504	553	29,921	.....
Sitka spruce	65,390	65,190	200	.....
Engelmann and other spruces	93,489	30,181	89	63,219
Western larch	34,388	12,386	.....	22,002
Incense cedar	24,204	10,596	13,589	19
Lodgepole pine	76,280	15,604	5,260	55,416
Other	53,412	38,173	2,526	12,713
Total	1,518,962	842,862	289,189	386,911
Hardwoods:				
Cottonwood and aspen	19,604	7,292	74	12,238
Red alder	26,500	26,100	400	.....
Oak	18,666	1,196	17,470	.....
Other	17,397	11,320	6,025	52
Total	82,167	45,908	23,969	12,290
All species	1,601,129	888,770	313,158	399,201

¹ International ¼-inch rule. Data may not add to totals because of rounding. ² Includes Alaska. Estimates of hardwood volume are not available for most National Forests in Oregon and Washington. ³ Includes Hawaii. Forest Service.

Table 648.—Timber removals: Roundwood product output, logging residues and other removals from growing stock and other sources, by softwoods and hardwoods, 1986 ¹

Roundwood products, logging residues, and other removals	All sources			Growing stock ²			Other sources ³		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>	<i>Million cubic feet</i>
Roundwood products:									
Sawlogs	7,064	5,395	1,668	6,722	5,175	1,546	342	220	122
Pulpwood	4,788	3,103	1,685	3,894	2,481	1,413	894	622	272
Veneer logs	1,540	1,433	107	1,439	1,337	102	101	96	5
Other products ⁴	1,087	868	219	1,031	842	189	56	26	30
Fuelwood	3,114	545	2,568	798	206	592	2,316	339	1,977
Total	17,593	11,345	6,248	13,884	10,042	3,843	3,708	1,303	2,405
Logging residues ⁵	3,913	2,270	1,643	6 1,582	6 999	6 584	7 2,381	7 1,272	7 1,059
Other removals ⁶	1,673	422	1,251	9 984	9 327	9 657	7 689	7 95	7 593
Total	23,178	14,037	9,141	16,451	11,367	5,083	6,728	2,670	4,058

¹ Data may not add to totals because of rounding. ² Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. ³ Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches diameter at 4½ feet above ground, tops, and roundwood harvested from nonforest land (for example, fence rows). ⁴ Includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal and export logs. ⁵ Downed and dead wood volume left on the ground after trees have been cut on timberland. ⁶ Growing stock volume cut or knocked down during harvest but left at the harvest site. ⁷ Wood volume other than growing stock left on the ground after harvest, cultural operations, or timberland clearing. This volume is net of wet rot or advanced decay, and excludes old punky logs; consists of material sound enough to chip; includes downed dead and cull trees, tops above the 4-inch growing stock top, and trees smaller than 5 inches diameter at 4½ feet above ground; excludes stumps and limbs. ⁸ Unutilized wood volume from cut or otherwise killed growing stock, from nongrowing stock sources on timberland (for example, precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland. ⁹ Growing stock volume removed by cultural operations or timberland clearing. Forest Service.

Table 649.—Timber growth, removals and mortality: Net annual growth, removals, and mortality of growing stock on timberland by softwoods and hardwoods and regions, 1986 ¹

Region	Growth ²			Removals ³			Mortality ⁴		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet	Million cubic feet
Northeast.....	2,948	702	2,246	1,302	521	781	675	257	418
North Central.....	2,564	587	1,977	1,406	205	1,202	568	111	457
Great Plains.....	86	47	38	42	26	16	15	7	8
North.....	5,598	1,336	4,262	2,750	751	1,999	1,258	375	883
Southeast.....	5,169	2,972	2,197	4,167	2,836	1,332	915	539	376
South Central.....	5,260	2,877	2,383	4,531	2,906	1,626	812	351	461
South.....	10,429	5,849	4,580	8,699	5,741	2,958	1,727	890	837
Pacific Northwest ⁵	3,412	2,887	525	3,342	3,239	104	673	594	78
Pacific Southwest ⁶	1,046	889	157	830	819	12	272	248	24
Rocky Mountains.....	2,041	1,909	131	829	817	12	530	488	43
West.....	6,499	5,685	813	5,002	4,875	127	1,475	1,330	145
All regions.....	22,526	12,870	9,656	16,451	11,367	5,083	4,460	2,596	1,865

¹ Data may not add to totals because of rounding. ² The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year. ³ The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing. ⁴ The volume of sound wood in trees that died from natural causes during a specified year. ⁵ Includes Alaska. ⁶ Includes Hawaii. ⁷ Excludes hardwood growth on National Forest land in California.

Forest Service.

Table 650.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 1975-89

Year ¹	Total timber cut ²		Value of miscellaneous forest products ⁴	Total value including free-use timber	Year ¹	Total timber cut ²		Value of miscellaneous forest products ⁴	Total value including free-use timber
	Volume	Value ³				Volume	Value ³		
	Million bd. ft.	1,000 dollars	1,000 dollars	1,000 dollars		Million bd. ft.	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	9,174	365,952	1,369	368,423	1982.....	6,747	339,215	2,020	348,708
1976.....	9,575	492,029	1,224	495,367	1983.....	9,244	649,652	1,728	655,874
(⁶).....	(3,432)	(209,938)	(129)	(210,067)	1984.....	10,549	759,577	1,669	763,889
1977.....	10,462	732,547	1,002	735,949	1985.....	10,941	720,636	1,703	724,505
1978.....	10,080	854,682	1,174	858,474	1986.....	11,786	786,906	1,592	789,878
1979.....	10,377	968,033	1,149	973,018	1987.....	12,712	1,015,995	1,905	1,018,977
1980.....	9,178	729,829	1,064	736,641	1988.....	12,649	1,239,788	2,031	1,242,988
1981.....	8,036	720,922	1,627	728,919	1989.....	11,913	1,309,061	2,864	1,313,141

¹ Fiscal years July 1-June 30 for 1975-76; Oct. 1-Sept. 30 for 1977-89. ² Commercial and cost sales and land exchanges. ³ Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. ⁴ Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc. ⁵ Includes free-use timber for 15-month period ending Sept. 30, 1976. ⁶ Transition quarter July 1, 1976-Sept. 30, 1976.

Forest Service.

Table 651.—Timber volume: Net volume of sawtimber in the East, by regions and species, Jan. 1, 1987¹

Species	Total East	North			Great Plains	South		
		Total	Northeast	North Central		Total	Southeast	South Central
	Million board feet	Million board feet	Million board feet	Million board feet	Million board feet	Million board feet	Million board feet	Million board feet
Softwoods:								
Loblolly and slash pines.....	54,258	3,976	1,985	1,991	.....	54,258	36,497	17,761
Loblolly and shortleaf pines.....	271,257	3,065	2,556	509	.....	267,281	92,866	174,415
Other yellow pines.....	28,465	41,697	26,916	14,781	.....	25,400	17,407	7,993
White and red pines.....	48,627	3,854	.....	3,846	.....	6,930	5,997	933
Jack pine.....	3,854	.....	.....	.....	8	.....	.....	.....
Spruce and balsam fir.....	37,773	37,699	26,099	11,362	238	74	74	.....
Eastern hemlock.....	22,992	20,932	16,746	4,186	.....	2,060	1,593	467
Cypress.....	22,112	157	.....	157	.....	21,955	13,778	8,177
Other.....	23,354	21,177	6,185	8,426	6,566	2,177	877	1,300
Total.....	512,692	132,557	80,487	45,258	6,812	380,135	169,089	211,046
Hardwoods:								
Select white oaks.....	71,577	31,501	10,461	20,371	669	40,076	18,273	21,803
Select red oaks.....	63,517	39,798	23,003	16,566	229	23,719	10,014	13,705
Other white oaks.....	47,075	13,806	9,585	4,182	39	33,269	15,553	17,716
Other red oaks.....	109,528	30,669	13,688	16,878	103	78,859	33,435	45,424
Hickory.....	40,616	12,751	4,956	7,680	115	27,865	9,432	18,433
Yellow birch.....	8,796	8,603	6,506	2,097	.....	193	153	40
Hard maple.....	41,300	38,364	22,602	15,755	7	2,936	989	1,947
Soft maple.....	47,863	34,538	22,571	11,830	137	13,325	10,296	3,029
Beech.....	21,202	14,182	11,202	2,980	.....	7,020	2,614	4,406
Sweetgum.....	39,571	1,556	1,141	415	.....	38,015	18,563	19,452
Tupelo and black gum.....	30,960	1,243	967	276	.....	23,717	20,098	3,619
Ash.....	26,142	16,104	7,814	7,837	453	10,008	4,288	5,720
Basswood.....	11,687	10,067	2,832	7,122	113	4,620	1,558	3,062
Cottonwood.....	52,949	12,611	8,462	4,149	.....	43,538	28,558	12,982
Cottonwood and aspen.....	32,367	29,511	4,997	22,775	1,737	3,535	339	2,687
Black walnut.....	3,457	2,467	473	2,172	202	990	401	589
Black cherry.....	11,367	11,239	8,314	2,340	.....	328	328	.....
Other.....	55,123	29,475	11,544	16,800	1,131	25,648	9,601	16,047
Total.....	715,517	338,505	171,718	161,847	4,940	377,012	183,448	193,564
All species.....	1,228,209	471,062	252,205	207,105	11,752	757,147	352,537	404,610

¹ International 1/4-inch rule. Data may not add to totals because of rounding.
Forest Service.

Table 652.—National Forest System: National Forest System lands and other lands within unit boundaries, in States and Territories, Sept. 30, 1989

State or other area	Gross area within unit boundaries	National Forest System lands ¹	Other lands within unit boundaries ²	State or other area	Gross area within unit boundaries	National Forest System lands ¹	Other lands within unit boundaries ²
	1,000 acres	1,000 acres	1,000 acres		1,000 acres	1,000 acres	1,000 acres
AL.....	1,275	651	623	NH.....	825	720	105
AK.....	24,233	22,437	1,796	NM.....	10,367	9,320	1,046
AZ.....	11,889	11,242	647	NY.....	13	13	
AR.....	3,490	2,495	995	NC.....	3,165	1,221	1,944
CA.....	24,434	20,588	3,845	ND.....	1,106	1,106	(³)
CO.....	16,027	14,444	1,582	OH.....	833	191	642
CT.....	(³)	(³)		OK.....	461	296	165
FL.....	1,246	1,122	124	OR.....	17,496	15,634	1,862
GA.....	1,846	858	988	PA.....	743	512	231
HI.....	(³)	(³)		SC.....	1,376	605	770
ID.....	21,694	20,457	1,238	SD.....	2,342	1,997	345
IL.....	840	264	576	TN.....	1,212	626	586
IN.....	644	188	456	TX.....	1,994	753	1,241
KS.....	116	108	8	UT.....	9,128	8,041	1,086
KY.....	2,102	667	1,435	VA.....	630	327	302
LA.....	1,023	601	422	WA.....	3,226	1,642	1,584
ME.....	93	53	40	WV.....	10,045	9,147	898
MI.....	4,872	2,801	2,071	WI.....	1,861	1,021	840
MN.....	5,467	2,808	2,659	WY.....	2,023	1,513	510
MS.....	2,310	1,149	1,161	PR.....	9,704	9,255	449
MO.....	3,082	1,474	1,608	VI.....	56	28	28
MT.....	19,101	16,796	2,305		(³)	(³)	
NE.....	442	352	90	Total.....	230,839	191,268	39,570
NV.....	6,009	5,743	266				

¹ *National Forest Systems lands*.—A nationally significant system of Federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas, water areas, and interests in lands that are administered by the Forest Service or designated for administration through the Forest Service.

National forests.—Units formally established and permanently set aside and reserved for national forest purposes. *Purchase units*.—Units designated by the Secretary of Agriculture or previously approved by the National Forest Reservation Commission for purposes of Weeks Law Acquisition.

National grasslands.—Units designated "National grasslands" by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.

Land utilization projects.—Units designated by the Secretary of Agriculture for conservation and utilization under Title III of the Bankhead-Jones Farm Tenant Act.

Research and experimental areas.—Units reserved and dedicated by the Secretary of Agriculture for forest or range research and experimentation.

Other areas.—Units administered by the Forest Service that are not included in the above groups. ² *Other lands within unit boundaries*.—Lands within the unit boundaries in private, State, county, and municipal ownership and Federal lands over which the Forest Service has no jurisdiction. Areas of such lands which have been offered to the United States and have been approved for acquisition and subsequent Forest Service administration, but to which title had not yet been accepted by the United States. ³ Less than 500 acres.

Forest Service.

Table 653.—Lumber: Production, United States, 1975–89

Year	Total	Soft-woods	Hard-woods	Year	Total	Soft-woods	Hard-woods
	Million bd. ft.	Million bd. ft.	Million bd. ft.		Million bd. ft.	Million bd. ft.	Million bd. ft.
1975.....	32,619	26,747	5,872	1983.....	34,553	28,926	5,627
1976.....	36,997	30,571	6,427	1984.....	37,065	30,801	6,264
1977.....	39,362	32,661	6,701	1985.....	36,445	30,479	5,966
1978.....	40,498	33,467	7,031	1986.....	41,999	34,815	7,184
1979.....	40,569	33,255	7,314	1987.....	44,886	37,410	7,476
1980.....	35,354	28,239	7,115	1988.....	44,576	36,845	7,731
1981.....	31,672	25,420	6,252	1989 ¹	43,576	36,040	7,536
1982.....	30,010	24,949	5,061				

¹ Preliminary.

Forest Service.

Table 654.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and region, United States, 1952, 1962, 1970, 1977, and 1987

Year	Tim-berland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes			
		Softwoods	Hard-woods	Softwoods	Hard-woods	Softwoods	Hard-woods	Softwoods	Hard-woods	Softwoods	Hard-woods	Softwoods	Hard-woods
Million acres	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Cubic feet	Cubic feet	1977 = 100	1977 = 100	1977 = 100	1977 = 100		
All regions													
North													
1952	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962	518	9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970	506	11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977	491	12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106
South													
1952	154	1.0	2.7	.6	1.5	27	77	6.3	17.8	100	110	145	116
1962	156	1.2	3.2	.5	1.5	34	94	7.7	20.5	101	105	99	98
1970	154	1.3	3.6	.6	1.9	39	105	8.7	23.3	96	105	95	106
1977	152	1.6	3.8	.7	2.0	44	116	10.3	25.0	100	100	100	100
1987	153	1.3	4.2	.7	2.0	47	138	8.4	27.2	76	93	96	86
West													
1952	204	3.6	3.0	3.1	2.6	59	84	17.9	14.9	97	86	116	164
1962	212	4.7	3.4	2.8	2.7	73	95	22.2	16.0	97	85	85	160
1970	204	5.6	4.3	3.8	2.7	87	104	27.6	21.0	102	98	96	148
1977	200	6.3	5.0	4.5	2.1	99	119	31.6	25.1	100	100	100	100
1987	195	5.8	4.6	5.7	3.0	104	134	30.1	23.5	88	81	123	125
Forest Service													
1952	160	3.1	.4	4.0	.0	344	19	20.8	2.6	63	81	77	51
1962	160	3.7	.5	4.3	.1	341	22	24.6	3.3	75	87	82	74
1970	147	4.4	.6	5.0	.1	332	26	23.7	4.1	91	94	99	90
1977	139	4.6	.6	4.9	.1	322	25	33.2	4.5	100	100	100	100
1987	133	5.6	.9	5.4	.2	299	31	42.1	6.4	130	109	119	146

Table 655.—Measures of forest productivity for timber: Timberland area, timber growing-stock data, growth per acre, and forest productivity indexes, by species group and ownership, United States, 1952, 1962, 1970, 1977, and 1987

Year	Timberland area	Net annual growth		Annual removals		Total inventory		Annual growth per acre		Productivity indexes				
		Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Growth/inventory		Removals/inventory		
										Hardwoods				
										Softwoods	Hardwoods			
													Softwoods	Hardwoods
Softwoods	Hardwoods													
		Million acres	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Billion cubic feet	Cubic feet	Cubic feet	1977=100	1977=100	1977=100		
			1952	508	7.7	6.2	7.8	4.1	430	180	15.2	12.2	67	96	83	140
1962	518		9.6	7.1	7.6	4.3	448	210	18.5	13.7	80	94	78	128
1970	505		11.3	8.5	9.4	4.7	458	234	22.4	16.8	93	101	94	125
1977	491		12.4	9.3	10.0	4.2	465	260	25.2	19.0	100	100	100	100
1987	481	12.7	9.6	11.9	5.2	449	303	26.5	20.0	106	88	122	106	
All owners														
Forest industry														
1952	60	1.9	.7	2.8	.5	77	20	31.4	11.6	63	92	73	139	
1962	62	2.3	.8	2.3	.7	76	25	37.8	13.5	79	88	62	142	
1970	67	2.6	1.1	3.1	.6	75	29	39.0	15.8	90	98	85	122	
1977	69	2.9	1.2	3.6	.6	74	32	41.7	17.5	100	100	100	100	
1987	70	3.2	1.2	4.5	.9	72	35	45.7	16.3	115	88	127	135	
Other private														
1952	296	3.5	4.6	3.5	3.3	93	130	11.7	15.5	78	96	130	140	
1962	304	4.3	5.1	3.0	3.4	103	148	14.2	16.8	89	94	102	128	
1970	288	5.2	6.1	3.3	3.7	114	163	18.2	21.2	97	101	102	126	
1977	278	5.9	6.6	3.6	3.2	123	180	21.1	23.9	100	100	100	100	
1987	275	5.5	6.9	4.3	3.9	135	213	19.9	25.0	85	88	111	102	
National forests														
1952	95	1.7	.4	1.0	.1	204	13	17.6	4.2	69	96	53	143	
1962	97	2.0	.5	1.7	.2	214	17	20.6	5.2	79	97	85	122	
1970	95	2.4	.6	2.2	.2	212	19	24.9	6.0	94	98	106	140	
1977	89	2.5	.7	2.0	.1	208	21	27.8	7.3	100	100	100	100	
1987	85	2.7	.6	2.0	.2	186	24	31.5	7.3	121	81	114	112	
Other public														
1952	58	.7	.5	.4	.1	55	16	12.6	8.5	67	97	52	107	
1962	55	1.0	.6	.6	.2	56	21	17.3	11.4	86	99	69	89	
1970	55	1.1	.7	.8	.2	58	24	20.0	13.4	97	101	89	106	
1977	55	1.2	.8	.9	.2	59	27	21.2	14.9	100	100	100	100	
1987	51	1.4	1.0	1.0	.2	56	31	27.1	19.0	123	100	122	90	

Forest Service.

Table 656.—Timber products: Production, imports, exports, and consumption, United States, 1975-88 ¹

Year	Industrial roundwood used for—											
	Lumber				Plywood and veneer				Pulp products			
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Production	Imports ²	Exports ²	Consumption
	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³
1975.....	4,890	930	255	5,565	1,165	170	70	1,265	3,485	1,105	715	3,875
1976.....	5,585	1,290	290	6,585	1,355	215	65	1,500	3,805	1,320	710	4,415
1977.....	5,950	1,675	260	7,365	1,425	210	35	1,600	3,645	1,395	725	4,320
1978.....	6,155	1,910	275	7,790	1,460	230	40	1,650	3,745	1,595	720	4,625
1979.....	6,115	1,800	340	7,580	1,370	195	45	1,520	4,110	1,635	805	4,935
1980.....	5,300	1,540	395	6,450	1,175	120	45	1,250	4,390	1,565	1,070	4,885
1981.....	4,780	1,490	380	5,885	1,180	140	70	1,250	4,125	1,515	995	4,645
1982.....	4,635	1,460	320	5,780	1,135	115	50	1,200	3,980	1,415	900	4,495
1983.....	5,370	1,915	360	6,925	1,365	160	65	1,460	4,165	1,605	965	4,805
1984.....	5,770	2,130	340	7,560	1,400	145	45	1,500	4,355	1,860	930	5,290
1985.....	5,665	2,345	305	7,700	1,420	165	40	1,550	4,165	1,810	920	5,055
1986.....	6,545	2,285	385	8,445	1,505	185	65	1,625	4,545	1,895	1,080	5,360
1987.....	6,990	2,380	510	8,860	1,650	190	80	1,760	4,670	1,985	1,195	5,465
1988 * ..	6,920	2,225	720	8,425	1,630	165	100	1,695	4,885	2,045	1,345	5,585

Year	Industrial roundwood used for—Continued								Fuel-wood production and consumption	Production, all products	Consumption, all products
	Other industrial products, ⁴ production and consumption	Logs		Pulp-wood chip exports	Total						
		Imports	Exports		Production	Imports	Exports	Consumption			
	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³	Mil-lion cu. ft. ³
1975.....	385	15	455	195	10,575	2,215	1,685	11,105	570	11,145	11,675
1976.....	375	15	555	245	11,920	2,840	1,870	12,895	600	12,525	13,495
1977.....	385	30	525	250	12,185	3,310	1,800	13,700	1,000	13,185	14,700
1978.....	395	20	585	225	12,565	3,755	1,845	14,480	1,525	14,090	16,005
1979.....	405	25	670	280	12,950	3,655	2,135	14,465	2,205	15,155	16,670
1980.....	415	25	560	275	12,120	3,250	2,350	13,020	3,105	15,225	16,125
1981.....	425	20	425	220	11,150	3,165	2,090	12,225	3,180	14,330	15,405
1982.....	435	20	550	175	10,910	3,015	1,995	11,930	3,355	14,265	15,285
1983.....	445	30	565	155	12,065	3,710	2,110	13,665	3,235	15,300	16,900
1984.....	455	30	600	145	12,725	4,165	2,060	14,830	3,620	16,345	18,450
1985.....	465	20	655	145	12,515	4,340	2,070	14,785	3,450	15,965	18,235
1986.....	475	15	620	150	13,845	4,375	2,900	15,920	3,115	16,960	19,080
1987.....	495	15	705	160	14,670	4,575	2,650	16,595	3,150	17,820	19,745
1988 *	510	15	825	215	14,985	4,445	3,200	16,230	3,360	18,345	19,590

¹ Data may not add to totals because of rounding. ² Includes both pulpwood and the pulpwood equivalent of woodpulp, paper, and board. ³ Roundwood equivalent. ⁴ Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, box bolts, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items.

* Preliminary.

Forest Service.

Table 657.—Timber prices: Average stumpage prices for sawtimber sold from national forests, by selected species, 1975-89

Year	Douglas- fir ¹	Southern pine ²	Ponderosa pine ³	Western hemlock ⁴	All eastern hard- woods ⁵	Oak, white, red, and black ⁵	Maple, sugar ⁶
	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>	<i>Dollars per 1,000 bd. ft.</i>
1975.....	169.50	57.00	71.20	68.80	33.90	29.70	42.10
1976.....	176.20	87.00	101.80	79.70	34.90	43.40	27.70
1977.....	225.90	100.30	131.40	89.30	37.90	60.00	47.40
1978.....	250.30	134.50	164.70	113.60	41.10	59.20	60.50
1979.....	394.40	155.20	239.00	200.80	46.80	68.80	68.90
1980.....	432.20	155.40	206.10	212.70	52.40	65.60	70.10
1981.....	350.20	172.00	195.20	163.40	50.90	63.20	67.80
1982.....	118.20	127.20	66.90	44.50	56.40	70.80	71.10
1983.....	161.60	140.60	104.00	62.20	60.10	87.90	55.10
1984.....	132.90	139.40	122.70	61.80	90.10	145.00	80.50
1985.....	126.20	90.70	101.40	50.50	65.40	94.50	70.00
1986.....	160.70	103.60	156.60	74.70	69.90	108.10	66.20
1987.....	190.20	135.70	209.30	105.40	88.10	146.80	80.50
1988.....	256.00	141.90	182.10	162.90	151.30	146.30	108.40
1989.....	389.80	131.40	292.00	223.30	135.80	178.90	128.60

¹ Western Washington and western Oregon. ² Southern region. ³ Pacific Southwest region. Includes Jeffrey pine. Prior to 1979, California region. ⁴ Pacific Northwest region. ⁵ Eastern and Southern regions. ⁶ Eastern region.

Forest Service. Forest Service National Forest prices in this table are for timber sold on a Scribner Decimal C log rule basis, except in the Northeastern States where International 1/4-inch log rule is used. Prices include KV payments; exclude timber sold by land exchanges and from land utilization project lands. Data for the years 1975-83 are statistical high bid prices; beginning in 1984, data are high bid prices which include specified road costs.

Table 658.—Timber products: Producer price indexes, selected products, United States, 1975-89

[1982=100]

Year	Lum- ber	Softwood plywood	Wood pulp	Paper	Paper- board	Year	Lum- ber	Softwood plywood	Wood pulp	Paper	Paper- board
1975.....	61.9	71.1	74.8	60.4	66.8	1983.....	113.5	110.0	91.5	98.5	98.4
1976.....	75.0	87.8	75.5	63.7	69.1	1984.....	112.5	107.6	104.8	105.8	110.4
1977.....	89.0	104.9	74.2	67.8	69.1	1985.....	109.6	107.4	91.4	106.0	107.7
1978.....	103.7	115.7	70.3	72.0	70.5	1986.....	110.5	109.4	94.7	107.0	106.6
1979.....	114.0	114.2	82.9	80.2	79.3	1987.....	118.2	109.8	111.5	111.5	118.1
1980.....	104.9	109.5	100.3	89.7	92.0	1988.....	122.1	109.1	136.7	123.2	133.2
1981.....	104.6	108.7	104.8	97.7	101.2	1989.....	125.7	124.2	157.4	129.6	140.1
1982.....	100.0	100.0	100.0	100.0	100.0						

Forest Service. Compiled from reports of the U.S. Department of Labor, Bureau of Labor Statistics.

Table 659.—Livestock on National Forest System lands: Number grazed and grazing receipts, United States, 1975-89

Year	Number grazed ^{1 2}		Receipts from grazing ⁴	Year	Number grazed ^{1 2}		Receipts from grazing ⁴
	Cattle and horses ³	Sheep and goats			Cattle and horses ³	Sheep and goats	
	<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>		<i>Thousands</i>	<i>Thousands</i>	<i>1,000 dollars</i>
1975.....	1,626	1,549	7,665	1983.....	1,609	1,242	10,182
1976.....	1,690	1,750	10,909	1984.....	1,521	1,129	9,617
1977.....	1,587	1,473	11,443	1985.....	1,565	1,183	9,040
1978.....	1,557	1,284	11,037	1986.....	1,491	1,168	8,617
1979.....	1,540	1,251	12,520	1987.....	1,410	1,134	8,104
1980.....	1,521	1,328	15,849	1988.....	1,387	1,051	8,737
1981.....	1,535	1,341	14,889	1989.....	1,313	1,067	10,950
1982.....	1,562	1,340	12,426				

¹ Data for 1975-76 are for authorized use; 1977-89 are number actually grazed. ² Calendar years through 1976; fiscal years Oct. 1-Sept. 30 for 1977-89. ³ Beginning 1977 includes burros. ⁴ Fiscal years July 1-June 30 for 1975-76; Oct. 1-Sept. 30 for 1977-89.
Forest Service.

Table 660.—Livestock on National Forest System lands: Number grazed and grazing receipts for the year ending Sept. 30, 1989, by States

State or other area	Number grazed		Receipts from grazing	State or other area	Number grazed		Receipts from grazing
	Cattle, horses, and burros	Sheep and goats			Cattle, horses, and burros	Sheep and goats	
	<i>Number</i>	<i>Number</i>	<i>Dollars</i>		<i>Number</i>	<i>Number</i>	<i>Dollars</i>
AL.....	247		835	ND.....	43,644	280	241,948
AZ.....	106,217	37,375	1,890,240	OK.....	192		1,646
AR.....	3,770		21,130	OR.....	3,166	1,013	21,314
CA.....	114,528	63,990	674,841	SD.....	102,080	23,963	1 637,678
CO.....	188,066	223,580	1,285,099	TX.....	68,126	2,703	415,340
FL.....	2,093		13,325	UT.....	7,482		64,077
GA.....	399		4,684	VA.....	93,723	249,159	897,256
ID.....	120,227	194,857	1,059,693	VT.....	58		46
IL.....	1,766	964	489	WA.....	180		5,542
KS.....	4,904		23,917	WV.....	32,280	14,012	153,915
KY.....	40		224	WY.....	1,439	168	18,009
LA.....	1,824		13,504	WI.....	7		
MD.....	315			WY.....	129,068	157,575	842,111
MI.....			203	National forests.....	1,150,565	1,035,472	10,075,106
MN.....	107		335				
MS.....	507		4,017	National grasslands and land utilization project land.....	162,440	31,930	874,369
MO.....	2,578		27,206				
MT.....	134,340	29,585	775,842	Total.....	1,313,005	1,067,402	10,949,475
NE.....	19,744		153,585				
NV.....	51,169	60,425	434,443				
NM.....	77,423	7,753	1,257,814				
NY.....	1,296		9,167				

¹ Includes receipts from Oregon and California Railroad Grant Lands.
Forest Service.

Table 661.—National Forest System lands: Receipts, United States and Puerto Rico, fiscal years 1975-89

Year ¹	From the use of timber ²	From the use of grazing	From special land uses, water power, etc.	Total ²	Year ¹	From the use of timber ²	From the use of grazing	From special land uses, water power, etc.	Total ²
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975	341,305	7,665	24,091	373,061	1982	251,021	12,426	86,777	350,224
1976	418,564	10,909	25,190	454,663	1983	398,499	10,182	86,627	495,308
(³)	(196,347)	(1,164)	(7,489)	(205,000)	1984	544,265	9,617	83,467	637,349
1977	652,050	11,443	28,076	691,569	1985	514,560	9,040	112,347	635,947
1978	723,330	11,037	30,989	765,356	1986	745,132	8,617	78,025	831,774
1979	827,632	12,520	40,885	881,038	1987	807,941	8,104	82,348	898,393
1980	625,407	15,849	61,619	702,875	1988	888,374	8,737	83,050	980,162
1981	581,441	14,889	84,403	680,734	1989 ⁴	909,517	10,950	130,349	1,050,816

¹ Fiscal years July 1-June 30 for 1975-76; Oct. 1-Sept. 30 for 1977-89. ² Includes receipts from Oregon and California Railroad Grant Lands. ³ Transition quarter July 1, 1976-Sept. 30, 1976. ⁴ Preliminary.
Forest Service.

Table 662.—National forests: Payments to States and Puerto Rico from receipts from timber sales, grazing fees, and miscellaneous uses, fiscal years ¹ 1988-90 ²

State or other areas	1988	1989	1990	State or other areas	1988	1989	1990
	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars	1,000 dollars
AL	1,505	1,396	1,604	NM	1,927	2,280	2,365
AK		410	5,106	NY	17	6	19
AZ	6,787	7,718	7,187	NC	952	613	833
AR	5,316	3,888	8,331	ND	(³)	(³)	(³)
CA	52,560	63,311	66,992	OH	176	93	172
CO	2,528	2,718	3,457	OK	746	516	1,201
FL	2,709	1,691	2,326	OR	131,942	144,531	164,155
GA	860	797	866	PA	2,665	2,224	3,688
ID	9,307	10,344	12,330	SC	3,071	2,068	2,332
IL	236	88	88	SD	892	1,214	1,697
IN	79	69	79	TN	462	371	437
KY	482	449	397	TX	3,753	2,745	2,015
LA	3,423	2,804	2,650	UT	952	1,043	1,323
ME	84	26	87	VT	152	130	178
MI	1,339	791	2,057	VA	432	412	425
MN	835	492	724	WA	32,490	43,387	47,202
MS	5,017	5,055	4,466	WV	898	594	801
MO	1,569	2,130	2,632	WI	771	414	767
MT	6,500	8,238	7,582	WY	1,141	1,465	1,491
NE	85	34	41	PR	16	15	15
NV	245	345	380	Total	285,314	317,290	360,933
NH	493	375	535				

¹ Fiscal years Oct. 1-Sept. 30. ² Payments under the acts of May 23, 1908 (as amended), July 24, 1956, and Oct. 22, 1976, are 25 percent of total receipts remaining after deducting (a) payments to Arizona and New Mexico on account school section lands administered by Forest Service, (b) appropriations of receipts under laws authorizing such appropriations for acquisition of lands in specified national forests or portions thereof, and (c) receipts from an area of the Superior National Forest, Minnesota, on account of which the State (for the counties) is paid 0.75 percent of the appraised valuation in lieu of 25 percent of the receipts. Payments made in the following year. ³ Less than \$500.

Forest Service.

Table 663.—National Forest System lands: Number of visitor-days,¹ 1981-89, by activity and States, and Puerto Rico, 1989

Year and activity	Visitor-days	Percent	1989			
			State or other area	Visitor-days	State or other area	Visitor-days
	<i>Thou-sands</i>			<i>Thou-sands</i>		<i>Thou-sands</i>
1981	235,709		AL.....	686	NM.....	7,466
1982	233,438		AK.....	4,636	NY.....	22
1983	227,708		AZ.....	18,998	NC.....	5,036
1984	227,554		AR.....	2,377	ND.....	184
1985	225,407		CA.....	63,685	OH.....	430
1986	226,533		CO.....	23,238	OK.....	341
1987	238,458		FL.....	2,852	OR.....	18,231
1988	242,316		GA.....	2,715	PA.....	2,605
1989 activity:			ID.....	11,738	SC.....	974
Mechanized travel and viewing scenery.....	81,266	32.2	IL.....	950	SD.....	2,737
Camping, picnicking and swimming	72,263	28.6	IN.....	588	TN.....	2,655
Hiking, horseback riding and water travel	21,277	8.4	KS.....	48	TX.....	2,057
Winter sports	17,369	6.9	KY.....	2,327	UT.....	13,313
Hunting.....	16,053	6.4	LA.....	513	VT.....	1,352
Fishing.....	15,717	6.2	MA.....	53	VA.....	3,946
Resorts, cabins and organization camps	14,682	5.8	MI.....	4,725	WA.....	18,018
Nature studies.....	1,814	.7	MN.....	5,148	WV.....	1,146
Other ²	12,054	4.8	MS.....	1,237	WI.....	1,979
			MO.....	1,705	WY.....	6,068
			MT.....	9,412	PR.....	396
			NE.....	142		
Total ³	252,495	100.0	NV.....	3,082	Total ³	252,495
			NH.....	2,684		

¹ Recreational use of national forest land and water that aggregates 12 visitor-hours. This may entail one person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. Years ending Sept. 30. ² Includes team sports, gathering forest products, attending talks and programs, and other uses. ³ Data may not add to total because of rounding.

Forest Service.

Table 664.—Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 1975-89

Year	Pulpwood consumption ¹	Woodpulp production	Paper and board ²		
			Production	Consumption or new supply ³	Per capita consumption
	<i>1,000 cords</i> ⁴	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Pounds</i>
1975	65,373	43,084	50,738	54,134	501
1976	72,011	47,721	57,788	61,739	566
1977	73,935	49,132	60,485	64,940	590
1978	74,170	50,020	61,917	68,045	611
1979	77,594	51,177	64,023	69,940	621
1980	79,703	52,958	63,865	67,969	597
1981	79,350	52,790	64,582	68,793	598
1982	77,573	50,986	60,958	65,205	561
1983	83,493	54,055	66,761	71,611	610
1984	86,948	57,747	70,268	77,305	652
1985	84,840	57,693	68,658	76,316	638
1986	91,083	60,562	72,475	79,861	661
1987	92,386	62,392	75,908	83,764	687
1988	95,263	64,130	77,993	85,796	697
1989 ⁵	96,067	64,625	(⁶)	(⁶)	(⁶)

¹ Includes changes in stocks. ² Excludes hardboard. ³ Production plus imports and minus exports (excludes products); changes in inventories not taken into account. ⁴ One cord equals 128 cubic feet. ⁵ Preliminary. ⁶ Not available.

Forest Service. Compiled from U.S. Department of Commerce and American Paper Institute publications.

CHAPTER XIII

CONSUMPTION AND FAMILY LIVING

The statistics in this chapter deal with the consumption of food by both rural and urban people, retail price levels, and other aspects of family living of farm people. Data presented here on quantities for food available for consumption are based on material presented in the earlier commodity chapters, but they are shown here at the retail level, a form that is more useful for an analysis of the demand situation faced by the producer. Data on quantities of farm-produced food consumed directly by farm households are presented in the commodity chapters. Its value and the rental value of the farm home are given in the section on farm income.

Table 665.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 1975-90

Year	Jan. 1	July 1	Year	Jan. 1	July 1
	<i>Millions</i>	<i>Millions</i>		<i>Millions</i>	<i>Millions</i>
1975.....	212.7	213.8	1983.....	231.6	232.6
1976.....	215.0	215.9	1984.....	233.3	234.8
1977.....	217.0	218.1	1985.....	236.0	237.0
1978.....	219.4	220.5	1986.....	238.3	239.4
1979.....	221.8	223.0	1987.....	240.6	241.7
1980.....	224.4	225.7	1988.....	243.0	244.1
1981.....	226.9	228.0	1989.....	245.4	246.6
1982.....	229.2	230.3	1990.....	247.9	249.2

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 666.—Macronutrients: Quantities available for consumption per capita per day, United States, 1973-86¹

Year	Food energy Kilocalories	Protein Grams	Fat			Cholesterol Milligrams	Carbohydrate Grams
			Total fat Grams	Saturated Grams	Monoun- saturated Grams	Polyun- saturated Grams	
1973	3,300	98	152	56	62	28	386
1974	3,300	98	152	57	63	28	378
1975	3,300	98	150	54	61	27	381
1976	3,300	101	155	57	62	30	394
1977	3,300	100	153	56	61	29	393
1978	3,300	99	154	56	62	30	389
1979	3,400	100	158	58	63	31	396
1980	3,400	99	158	58	63	31	392
1981	3,400	99	159	58	64	31	393
1982	3,400	100	159	58	63	31	398
1983	3,400	101	162	59	65	32	397
1984	3,400	102	162	60	65	30	401
1985	3,500	104	169	61	68	33	413
1986							

See footnote at end of table.

Table 666.—Vitamins: Quantities available for consumption per capita per day, United States, 1973-86 ¹—Continued

Year	Vitamins										
	Vitamin A	Vitamin A	Carotenes	Vitamin E	Ascorbic acid	Thiamin	Riboflavin	Niacin	Vitamin B ₆	Folacin	Vitamin B ₁₂
	International units	Retinol equivalent	Retinol equivalent	Milligrams alpha-tocopherol	Milligrams	Milligrams	Milligrams	Milligrams	Milligrams	Milligrams	Micrograms
1973	8,600	1,490	550	14.2	105	1.9	2.2	22	2.0	290	10.3
1974	8,600	1,540	570	13.8	106	2.0	2.2	23	2.0	278	10.6
1975	9,000	1,540	590	14.1	111	2.0	2.3	23	2.0	290	10.5
1976	9,100	1,560	580	14.7	110	2.2	2.4	25	2.1	292	10.8
1977	8,600	1,500	540	14.1	110	2.1	2.3	24	2.1	290	10.8
1978	8,700	1,500	550	14.5	108	2.1	2.3	24	2.0	280	10.3
1979	9,200	1,580	590	14.6	108	2.2	2.3	25	2.1	284	10.4
1980	9,100	1,540	590	14.5	110	2.2	2.3	24	2.0	280	10.0
1981	9,100	1,540	590	14.7	109	2.2	2.3	25	2.0	285	10.1
1982	9,100	1,540	600	15.0	110	2.2	2.3	25	2.1	293	9.8
1983	9,300	1,560	610	15.3	115	2.2	2.3	25	2.1	296	10.0
1984	9,600	1,590	640	14.9	111	2.2	2.4	25	2.1	296	10.2
1985	9,700	1,610	660	16.1	115	2.2	2.4	26	2.1	299	10.1
1986											

See footnote at end of table.

Table 666.—Minerals: Quantities available for consumption per capita per day, United States, 1973-86 ¹—Continued

Year	Minerals					
	Calcium	Phosphorus	Magnesium	Iron	Zinc	Copper
	Milligrams	Milligrams	Milligrams	Milligrams	Milligrams	Milligrams
1973.....	880	1,480	320	15.0	12.4	1.6
1974.....	860	1,470	310	14.9	12.6	1.6
1975.....	870	1,470	320	15.1	12.6	1.6
1976.....	890	1,510	320	15.4	13.0	1.6
1977.....	880	1,500	310	15.2	12.9	1.6
1978.....	880	1,480	310	15.0	12.6	1.6
1979.....	880	1,490	310	15.1	12.5	1.6
1980.....	870	1,470	310	14.9	12.4	1.6
1981.....	860	1,470	310	15.1	12.5	1.6
1982.....	890	1,490	320	15.2	12.6	1.6
1983.....	900	1,510	320	16.6	12.7	1.6
1984.....	920	1,530	320	16.8	12.8	1.6
1985.....	910	1,540	330	17.0	13.0	1.7
1986.....						

¹ Computed by Human Nutrition Information Service (HNIS), USDA. Based on HNIS estimates of quantities of produce from home gardens and certain other foods. No deduction is made in food supply estimates for loss of food or nutrients in further processing, in marketing, or in the home. Data include iron, thiamin, riboflavin, niacin, vitamin A, vitamin B₆, vitamin B₁₂ and ascorbic acid added by enrichment and fortification.

Human Nutrition Information Service.

Table 667.—Food nutrients: Percentage of total contributed by major food groups, 1977¹

Nutrient and period	Meat, poul- try, fish	Dairy ³ prod- ucts	Eggs	Fats, ⁴ oils	Fruits		Vegetables			Leg- umes, nuts, soy	Grain prod- ucts	Sug- ars, sweet- eners	Mis- cel- lan- eous ⁵	Total ⁶
					Cit- rus	Non- cit- rus	Total ⁶	White potat- oes	Dark green, deep yell- ow	Other	Total ⁶			
1977	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent
Food energy.....	20	10	2	18	1	2	3	3	(2)	2	5	3	18	1
Protein.....	44	20	4	(2)	1	1	1	2	(2)	2	5	5	18	1
Total fat.....	34	12	3	43	(2)	(2)	(2)	(2)	(2)	(2)	(2)	4	1	1
Saturated fat.....	42	20	2	31	(2)	(2)	(2)	(2)	(2)	(2)	(2)	2	1	0
Monounsaturated fat.....	38	8	3	44	(2)	(2)	(2)	(2)	(2)	(2)	(2)	4	(2)	0
Polysaturated fat.....	18	2	2	66	(2)	(2)	(2)	(2)	(2)	(2)	1	6	3	(2)
Cholesterol.....	42	13	41	4	0	0	0	0	0	0	0	0	0	0
Carbohydrate.....	(2)	6	(2)	(2)	2	4	6	5	1	4	9	2	35	1
Vitamin A (retinol equivalents).....	30	16	4	13	1	2	3	0	24	5	30	(2)	1	0
Vitamin E.....	0	3	0	3	1	2	3	4	(2)	6	8	7	4	(2)
Ascorbic Acid.....	7	3	2	64	1	14	43	16	10	22	47	(2)	0	(2)
Thiamin.....	26	9	5	(2)	3	2	5	5	1	5	11	6	42	(2)
Riboflavin.....	25	36	5	(2)	3	2	3	1	1	4	16	2	23	(2)
Niacin.....	46	12	(2)	(2)	1	2	3	1	2	4	21	5	30	(2)
Vitamin B ₆	43	11	8	(2)	2	3	12	12	2	7	21	4	4	1
Vitamin B ₁₂	42	17	5	(2)	3	3	9	4	4	18	25	19	12	0
Folic acid.....	77	17	2	(2)	0	0	0	0	0	0	6	3	4	0
Vitamin B ₁	4	77	2	(2)	1	1	2	1	1	4	6	0	1	1
Calcium.....	30	26	4	(2)	1	1	2	3	1	4	8	6	13	2
Phosphorus.....	16	21	2	(2)	3	4	7	6	2	8	16	13	18	9
Magnesium.....	27	3	5	(2)	1	2	3	5	2	7	35	2	4	100
Iron.....	51	18	4	(2)	(2)	1	3	3	1	3	7	5	12	2
Zinc.....	22	4	1	(2)	2	5	7	11	2	8	21	18	2	6
Copper.....	20	22	1	(2)	4	6	10	14	2	11	27	6	7	100

¹ Percentages for food groups are based on aggregate nutrient data for table 666.
² Less than 0.5 percent.
³ Excludes butter.
⁴ Includes butter.
⁵ Coffee, tea, spices,
chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific group.
⁶ Components may not add to total due to rounding.

Human Nutrition Information Service.

Table 668.—Food nutrients: Percentage of total contributed by major food groups, 1985 ¹

Nutrient and period	Meat, poul- try, fish	Dairy prod- ucts ²	Eggs	Fats, oils ³	Fruits		Vegetables				Leg- umes, nuts, soy	Grain prod- ucts	Sug- ars, sweet- eners	Miscel- lane- ous ⁵	Total ⁴
					Cit- rus	Non- cit- rus	Total ⁴	White potat- oes	Dark- green, deep- yel- ow	Other	Total				
1985	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent	Per- cent
Food energy.....	19	10	2	20	1	2	3	3	(⁶)	2	5	3	20	18	1
Protein.....	43	21	4	(⁶)	(⁶)	1	1	2	(⁶)	2	5	5	19	(⁶)	1
Total fat.....	31	12	2	47	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	4	1	0	2
Saturated fat.....	39	20	2	34	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	2	1	0	2
Monounsaturated fat.....	34	8	2	48	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	4	0	0	1
Polysaturated fat.....	18	2	2	68	(⁶)	(⁶)	(⁶)	(⁶)	(⁶)	1	1	6	3	0	(⁶)
Cholesterol.....	43	13	39	5	0	0	0	0	0	0	0	0	0	0	1
Carbohydrate.....	(⁴)	6	(⁶)	(⁶)	2	5	7	5	1	3	9	2	36	40	1
Vitamin A (retinol equivalents).....	26	16	3	12	(⁴)	2	3	0	30	5	35	(⁶)	(⁶)	0	4
Vitamin E.....	0	2	0	3	1	6	7	0	74	12	86	(⁶)	1	0	2
Carotene.....	6	3	2	66	1	3	3	(⁴)	3	5	8	7	4	(⁶)	4
Ascorbic Acid.....	26	3	1	28	0	15	43	16	11	20	48	(⁶)	0	(⁶)	4
Niacin.....	24	35	4	(⁶)	3	2	5	5	1	3	11	6	42	(⁶)	1
Riboflavin.....	46	24	(⁶)	(⁶)	1	2	3	6	1	3	16	2	24	(⁶)	1
Vitamin B ₁	11	11	2	(⁶)	2	6	11	12	2	4	27	4	30	(⁶)	3
Vitamin B ₂	13	18	5	(⁶)	3	11	12	5	4	16	27	4	13	(⁶)	1
Vitamin B ₆	73	18	5	(⁶)	0	0	0	0	0	0	0	20	0	0	2
Calcium.....	77	2	(⁶)	(⁶)	1	1	2	1	1	4	6	3	4	(⁶)	2
Phosphorus.....	29	36	4	(⁶)	1	1	2	3	1	8	8	6	13	(⁶)	3
Magnesium.....	15	20	1	(⁶)	2	5	7	5	2	6	13	13	18	(⁶)	10
Iron.....	24	2	4	(⁶)	1	2	3	6	2	13	7	7	41	2	4
Zinc.....	49	19	4	(⁶)	1	3	1	3	1	3	7	5	13	1	2
Copper.....	21	4	1	(⁶)	2	5	7	11	2	8	20	18	18	3	8
Potassium.....	19	21	1	(⁶)	4	7	11	14	2	11	27	6	7	(⁶)	6

¹ Percentages for food groups are based on aggregate nutrient data for table 666.² Excludes butter.³ Includes butter.⁴ Components may not add to total due to rounding.⁵ Coffee, tea, spices, chocolate liquor equivalent of cocoa beans, and fortification not assigned to a specific food group.⁶ Less than 0.5 percent.

Human Nutrient Information Service.

Table 669.—Per capita consumption of major food commodities, United States, 1981-89 ¹

Commodity	1981	1982	1983	1984	1985	1986	1987	1988	1989 ²
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Meats ^{3 4}	125.1	119.8	123.8	123.6	124.9	122.2	117.4	119.6	115.9
Beef.....	72.8	72.5	73.9	73.8	74.6	74.4	69.5	68.6	65.4
Veal.....	1.3	1.4	1.4	1.5	1.5	1.6	1.3	1.1	1.0
Lamb and mutton.....	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1
Pork.....	50.0	44.9	47.4	47.2	47.7	45.2	45.6	48.8	48.4
Fish ⁵	12.8	12.1	12.9	13.5	14.4	14.8	15.3	15.2	15.8
Canned.....	4.7	4.2	4.8	5.0	5.1	5.7	5.1	4.7	5.1
Fresh and frozen.....	7.7	7.6	7.9	8.2	9.0	8.9	9.9	10.2	10.4
Cured.....	.3	.3	.3	.3	.3	.3	.3	.3	.3
Poultry ³	43.9	44.9	45.8	47.2	49.4	51.3	55.5	57.4	60.8
Chicken.....	35.4	36.4	37.0	38.2	39.9	40.7	43.4	44.7	47.3
Turkey.....	8.5	8.5	8.9	9.0	9.6	10.6	12.1	12.6	13.5
Eggs.....	33.6	33.5	33.0	33.0	32.4	32.2	32.2	31.2	29.9
Dairy products:									
Total dairy products (milk equivalent).....	540.9	555.5	572.1	580.9	592.1	589.6	598.5	580.5	565.0
Fluid milk and cream (product weight).....	241.7	235.6	235.9	237.7	240.0	240.5	238.5	234.6	231.8
Plain and flavored whole milk.....	140.9	133.4	130.3	126.9	123.4	116.5	111.9	105.7	95.8
Lowfat milk (2% and 1% fat).....	72.6	73.5	75.4	78.6	83.3	88.1	89.6	89.9	94.2
Skim milk.....	11.3	10.6	10.6	11.6	12.6	13.5	14.0	16.1	19.8
Buttermilk.....	4.0	4.1	4.3	4.3	4.4	4.2	4.3	4.1	3.5
Flavored drink.....	5.6	5.5	5.9	6.0	6.0	6.3	6.6	6.6	6.4
Eggnog.....	.4	.4	.5	.5	.5	.5	.5	.5	.5
Yogurt (excl. frozen).....	2.5	2.6	3.3	3.7	4.1	4.4	4.4	4.7	4.3
Heavy cream, light cream, and half and half.....	3.4	3.5	3.7	4.0	4.4	4.7	4.7	4.6	4.8
Sour cream and dip.....	1.8	1.9	2.1	2.2	2.3	2.4	2.4	2.5	2.5
Cheese (excluding cottage).....	18.2	19.9	20.5	21.4	22.5	23.0	24.0	23.6	23.7
American.....	10.2	11.3	11.6	11.8	12.1	12.1	12.4	11.4	11.0
Cheddar.....	7.0	8.7	9.1	9.5	9.7	9.7	10.6	9.5	9.2
Italian.....	4.5	4.8	5.3	5.8	6.4	7.0	7.6	8.1	8.5
Mozzarella.....	3.0	3.3	3.7	4.0	4.6	5.2	5.6	6.0	6.4
Cottage cheese.....	4.3	4.2	4.1	4.1	4.1	4.1	3.9	3.9	3.5
Condensed and evaporated milk:									
Whole milk.....	4.1	4.0	3.8	3.7	3.6	3.6	3.7	3.5	3.1
Skim milk.....	3.2	3.0	3.2	3.7	3.8	4.3	4.2	4.2	4.7
Ice cream (product weight).....	17.4	17.6	18.0	18.1	18.1	18.4	18.3	17.2	16.0
Fats and oils—Total fat content.....	57.7	58.2	60.0	58.6	64.0	64.1	62.7	62.7	60.7
Butter (actual weight).....	4.2	4.3	4.9	4.9	4.9	4.6	4.6	4.5	4.3
Margarine (actual weight).....	11.1	11.0	10.4	10.4	10.8	11.4	10.5	10.2	10.1
Shortening.....	18.5	18.6	18.5	21.2	22.8	22.0	21.3	21.4	21.3
Lard (direct use).....	2.5	2.5	2.1	2.1	1.8	1.7	1.8	1.7	1.8
Edible tallow (direct use).....	1.0	1.3	2.1	1.7	1.9	1.8	1.0	.8	.9
Salad and cooking oils.....	21.8	21.8	23.5	19.8	23.5	24.1	25.2	25.7	23.8
Selected fresh fruits.....	83.8	84.6	89.9	88.3	86.1	92.5	97.2	95.1	93.9
Citrus.....	24.2	23.9	28.5	23.2	21.9	25.2	24.9	25.6	23.8
Apples.....	16.5	17.0	17.8	17.9	16.8	17.4	20.5	19.2	20.9
Other noncitrus.....	43.1	43.7	43.7	47.2	47.4	49.9	51.8	50.3	49.2
Selected fresh vegetables ^{6 6}	79.4	83.2	80.6	87.9	88.5	88.4	93.5	96.7	100.0
Vegetables for freezing ^{6 7}	14.7	13.6	14.6	17.5	17.1	15.8	16.8	18.1	16.9
Vegetables for canning ^{6 8}	85.5	85.1	85.9	91.0	87.8	88.0	89.5	83.4	91.9
Tomatoes.....	59.3	60.1	61.0	68.6	63.3	63.7	65.0	61.4	70.6
Other vegetables.....	26.2	24.9	24.9	22.4	24.5	24.3	22.6	22.1	21.2
White potatoes ^{6 9}	116.1	114.5	118.3	122.3	122.7	126.2	126.4	123.8	126.9
Fresh.....	45.7	46.9	49.8	48.9	46.8	49.6	49.1	51.7	50.0
Frozen.....	41.3	38.4	39.0	43.5	45.2	46.0	47.3	42.8	46.4
Chips and shoestrings.....	16.8	17.2	17.9	18.1	17.7	18.3	17.8	17.4	17.9
Canning.....	1.8	1.9	1.9	1.8	1.9	1.8	1.8	1.9	2.0
Dehydrated.....	10.5	10.1	9.8	10.0	11.0	10.5	10.5	10.0	10.6
Grains:									
Wheat flour ¹⁰	115.8	116.7	117.4	118.9	124.3	125.2	129.3	129.3	122.7
Rice.....	11.0	11.8	9.7	8.6	9.1	11.6	13.5	14.3	15.7
Pasta.....	10.3	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.8
Caloric sweeteners.....	124.1	123.2	124.3	127.0	130.0	129.0	132.5	133.0	134.1
Sugar (refined) ¹¹	79.4	73.7	70.3	66.7	62.7	59.9	62.2	61.9	62.3
Corn sweeteners (dry weight) ^{12 13}	43.5	48.2	52.7	59.0	65.9	67.7	68.9	69.7	70.4
Honey and edible syrups ¹²	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Other:									
Coffee ¹⁴	10.0	9.9	10.1	10.2	10.5	10.5	10.2	9.8	10.3
Cocoa (chocolate liquor equivalent) ¹⁵	2.9	3.0	3.2	3.4	3.7	3.8	3.9	3.8	3.9
Peanuts (shelled).....	5.5	5.9	5.9	6.0	6.3	6.4	6.4	6.8	6.9
Soft drinks (gallons).....	27.1	26.9	27.4	28.4	30.4	31.9	30.5	31.7	31.8

See footnotes on page 474.

Table 670.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for one week, January 1990 ¹

Region and sex-age groups	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
FAMILIES	Dollars	Dollars	Dollars	Dollars
United States:				
Family of 2: ²				
20-50 years.....	47.30	59.80	73.80	92.00
51 years and over.....	44.80	57.60	71.10	85.00
Family of 4:				
Children, 1-2 and 3-5 years.....	68.80	86.10	105.20	129.30
Children, 6-8 and 9-11 years.....	78.70	101.00	126.20	152.20
INDIVIDUALS ³				
United States:				
Child:				
1-2 years.....	12.40	15.20	17.70	21.40
3-5 years.....	13.40	16.50	20.40	24.30
6-8 years.....	16.30	21.80	27.20	31.80
9-11 years.....	19.40	24.80	31.90	36.80
Male:				
12-14 years.....	20.30	28.10	35.00	41.10
15-19 years.....	21.00	29.00	36.10	41.80
20-50 years.....	22.50	28.90	36.10	43.70
51 years and over.....	20.40	27.50	33.80	40.60
Female:				
12-19 years.....	20.30	24.40	29.60	35.80
20-50 years.....	20.50	25.50	31.00	39.90
51 years and over.....	20.30	24.90	30.80	36.70

¹ Estimates for the thrifty food plan were computed from quantities of foods published in *Family Economics Review* (1984 No. 1). Estimates for the other plans were computed from quantities of foods published in *Family Economics Review* (1983 No. 2). The costs of the food plans are estimated by updating prices paid by households surveyed in 1977-78 in USDA's Nationwide Food Consumption Survey. These prices were adjusted to current levels by using food price information released periodically by the Bureau of Labor Statistics. The cost of food plans by region is no longer estimated. ² Ten percent added for family size adjustment. (See footnote 3.) ³ The costs given are for individuals in 4-person families. For individuals in other size families, the following adjustments are suggested: 1-person—add 20 percent; 2-persons—add 10 percent; 3-persons—add 5 percent; 5- or 6-persons—subtract 5 percent; 7- or more-persons—subtract 10 percent.

Human Nutrition Information Service.

Table 671.—Food Stamp Program: Participation and Federal costs, fiscal years 1975-89

Fiscal year ¹	Average monthly participation ²	Recipient benefits ³	Total cost ⁴	Average benefit per person
	1,000	1,000 dollars	1,000 dollars	Dollars
1975.....	17,064	4,385,501	4,623,970	21.40
1976.....	18,549	5,326,505	5,692,103	23.93
1977.....	17,077	5,066,950	5,469,249	24.71
1978.....	16,001	5,139,216	5,528,307	26.77
1979.....	17,653	6,480,189	6,948,762	30.59
1980.....	21,082	8,720,870	9,215,849	34.47
1981.....	22,430	10,629,866	11,235,233	39.49
1982 ⁵	21,717	10,208,298	10,850,861	39.17
1983.....	21,625	11,152,313	11,862,539	42.98
1984.....	20,854	10,696,130	11,594,862	42.74
1985.....	19,899	10,743,555	11,714,902	44.99
1986.....	19,429	10,605,196	11,693,686	45.49
1987.....	19,113	10,500,344	11,643,599	45.78
1988.....	18,644	11,149,051	12,356,346	49.83
1989 ⁶	18,764	11,675,994	12,908,313	51.85

¹ Data for fiscal years July 1 to June 30 for 1973-76; October 1 to September 30 beginning 1977. ² Food Stamp coverage was not nationwide in scope until March 1975. ³ Prior to elimination of the purchase requirement in January 1979, Federal benefits were often referred to as "bonus dollars". Current publications frequently refer to benefits as the "value of issuance". ⁴ The total cost includes matching funds for state administrative expenses (e.g., certification of households, quality control, anti-fraud activities); other program costs (e.g., printing and processing of stamps, the bank monitoring system, computer support systems); and transfers to other Federal agencies to offset their expenses in auditing or investigating the program (e.g., Office of the Inspector General).

⁵ Omits Puerto Rico beginning July 1, 1982 when their nutrition assistance program began. ⁶ Preliminary. Food and Nutrition Service.

Table 672.—Food and Nutrition Service Programs: Federal costs of the National School Lunch, School Breakfast, Child Care Food, Summer Food Service, WIC, Special Milk, and Food Distribution Programs, fiscal years 1975-89 ¹

Fiscal year ²	Child Nutrition					WIC ⁵	Special Milk	Food Distribution Programs ⁶
	Cash payments ³				Cost of food distributed ⁴			
	Lunch	Break-fast	Child Care	Summer Food				
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1975.....	1,289,018	86,075	46,271	50,230	423,453	89,257	122,924	78,500
1976.....	1,491,545	113,560	74,948	73,378	429,590	142,640	138,549	49,100
1977.....	1,684,225	154,712	108,248	110,052	555,215	255,899	156,712	61,900
1978.....	1,830,920	183,834	131,612	96,107	631,457	379,615	135,211	95,700
1979.....	2,005,741	236,160	158,824	105,994	764,718	525,443	136,588	150,000
1980.....	2,279,403	287,766	208,179	108,296	930,083	724,693	145,212	194,400
1981.....	2,380,621	331,673	311,550	103,899	921,476	868,626	100,844	236,900
1982.....	2,185,445	317,300	300,896	82,982	784,569	948,172	18,285	467,200
1983.....	2,401,771	343,790	329,620	92,133	828,388	1,123,095	17,444	1,356,900
1984.....	2,507,665	364,004	376,828	94,373	859,198	1,386,094	16,043	1,489,900
1985.....	2,578,375	379,338	424,503	110,097	830,225	1,487,648	15,751	1,439,200
1986.....	2,714,260	406,252	465,671	112,868	854,004	1,580,518	15,456	1,380,900
1987.....	2,796,893	446,848	518,217	121,840	918,780	1,679,846	15,356	1,313,000
1988.....	2,196,193	473,597	583,757	132,044	852,812	1,797,509	18,724	1,073,100
1989 ⁸	3,005,939	513,197	611,927	131,334	794,179	1,910,952	18,536	624,848

¹ See table 663 for Food Stamp Program costs. ² July 1-June 30 for fiscal years 1973-76; October 1-September 30 beginning fiscal year 1977. ³ Includes sponsor administrative costs for the Child Care Food and Summer Food Service Programs, and State administrative and health clinic expenses for the Summer Food Service Program. ⁴ Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child Care Food, and Summer Food Service Programs. ⁵ Includes food costs, administrative costs, program evaluation funds, and Farmers Market demo projects for the Special Supplemental Food Program for Women, Infants and Children. ⁶ Includes entitlement and bonus commodities, cash-in-lieu of commodities, and administrative costs of the following: Needy Family (Indian Reservations), Nutrition Program for the Elderly, Commodity Supplemental Food, Charitable Institutions, Summer Camps, and the Temporary Emergency Food Assistance Program (TEFAP). Also includes Commodities for Soup Kitchens in fiscal year 1989. Excludes Child Nutrition commodities. ⁷ The Child Care Program includes an Adult Care component beginning in fiscal year 1989. ⁸ Preliminary.

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Table 673.—Food and Nutrition Service programs: Persons participating, fiscal years 1975-89 ¹

Fiscal year ²	National School Lunch Program	School Breakfast Program
	Thousands	Thousands
1975.....	25,289	1,993
1976.....	26,041	2,326
1977.....	26,676	2,627
1978.....	27,062	2,960
1979.....	27,322	3,488
1980.....	27,011	3,713
1981.....	26,843	3,996
1982.....	25,165	3,447
1983.....	23,383	3,480
1984.....	23,696	3,556
1985.....	24,051	3,574
1986.....	24,283	3,596
1987.....	24,500	3,752
1988.....	24,648	3,831
1989 ³	24,773	3,941

¹ Based on peak month of participation. ² Data for fiscal years July 1-June 30 for 1973-76; Oct. 1-Sept. 30 beginning fiscal year 1977. ³ Preliminary.

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FOOTNOTES FOR TABLE 669

¹ Quantity in pounds, retail weight unless otherwise shown. Data on calendar year basis except fresh citrus fruits, apples, grapes, pears, peanuts, and rice which are on a crop-year basis. ² Preliminary. ³ Boneless, trimmed weight, or edible weight. ⁴ Total may not add because of rounding. ⁵ Artichokes, asparagus, broccoli, carrots, cauliflower, celery, eggplant, garlic, lettuce, onions, sweet corn, and tomatoes. ⁶ Farm weight. ⁷ Asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn (on-cob basis). ⁸ Asparagus, broccoli, carrots, cauliflower, green peas, snap beans, and sweet corn (on-cob basis). ⁹ Factors for converting farm weight to retail weight are 0.96 for fresh, 0.50 for frozen, 0.245 for chips and shoestring, 0.636 for canned, and 0.14 for dehydrated. ¹⁰ White, whole wheat, semolina, and durum flour. ¹¹ Includes small amount of refined sugar contained in imported blends and mixtures, including sucrose-dextrose blends, sugar-sweetened tea mixes, and flavored syrups in consumer size containers. ¹² Dry weight basis. ¹³ High fructose, glucose, and dextrose. ¹⁴ Green bean equivalent. ¹⁵ Chocolate liquor is what remains after cocoa beans have been roasted and hulled; it is sometimes called ground or bitter chocolate. n.a. not available.

Economic Research Service. Historical consumption and supply-utilization data for food may be found in Food Consumption, Prices, and Expenditures, 1968-89, ERS, USDA, forthcoming.

Table 674.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child Care, Summer Food and Special Milk Programs and the value of food benefits provided under the Food Stamp, WIC, Commodity Distribution and Temporary Emergency Feeding Food Programs, fiscal year 1989 ¹

State or Territory	Child Nutrition Program (cash payments only)					Special Supplemental Food (WIC)	Commodity distribution ^{2 3}	Food Stamp Program ⁴	TEFAP ⁵	Total
	Child Care Food ⁷	Summer Food	Special Milk	National School Lunch	Break-fast					
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
AL.....	11,680	3,625	33	74,428	12,918	26,678	18,716	276,056	5,838	429,971
AK.....	2,765	0	26	7,438	850	4,075	1,384	24,060	0	40,599
American Samoa.....	0	0	0	2,524	1,246	0	709	0	0	4,478
AZ.....	9,796	1,187	177	41,790	8,012	27,416	23,669	176,485	2,681	291,213
AR.....	5,609	600	26	39,364	7,535	19,375	11,470	130,440	3,737	218,155
CA.....	70,340	9,516	927	353,740	69,318	135,905	97,924	745,757	13,811	1,497,238
CO.....	14,038	884	121	29,784	2,894	14,643	16,381	133,026	2,747	214,517
CT.....	6,080	1,256	579	21,347	2,940	22,354	10,439	52,512	2,708	120,214
DE.....	2,835	798	32	5,276	991	3,423	2,663	18,843	519	35,381
FL.....	1,862	366	15	8,976	1,659	4,669	3,703	35,509	901	57,660
DC.....	22,266	11,536	110	141,256	26,426	50,996	29,057	455,257	8,171	745,075
GA.....	16,198	4,203	53	99,281	18,808	47,766	29,688	301,773	5,594	523,363
GU.....	7	0	0	2,003	668	1,579	512	14,229	1	18,999
HI.....	1,909	0	8	14,273	2,244	7,553	4,012	74,155	1,026	105,180
ID.....	1,704	48	151	12,959	710	8,487	5,507	36,551	1,225	67,342
IL.....	23,360	5,328	2,594	124,153	13,200	54,598	34,542	729,312	12,881	999,968
IN.....	8,945	1,746	356	49,934	4,407	27,376	22,413	184,775	4,596	304,548
IA.....	6,257	903	243	29,747	2,019	14,557	17,078	97,090	2,278	170,172
KS.....	13,182	374	360	26,628	1,315	13,072	5,622	79,816	2,258	142,627
KY.....	6,433	1,217	274	58,186	14,491	29,118	18,788	299,965	5,000	433,473
LA.....	14,547	3,885	80	100,109	17,600	42,604	38,061	484,489	5,665	707,400
ME.....	4,305	257	177	10,725	993	7,771	3,833	48,017	1,396	77,475
MD.....	9,849	1,524	342	36,958	5,567	17,190	14,768	175,874	4,718	266,798
MA.....	19,154	2,078	524	42,366	8,449	24,641	20,337	153,725	4,091	275,366
MI.....	22,907	4,167	1,316	81,187	5,356	53,489	46,911	537,026	10,488	762,847
MN.....	29,520	1,055	995	39,028	2,314	20,493	18,722	131,348	2,937	246,412
MS.....	15,919	4,418	17	72,178	15,841	26,672	13,980	318,740	3,435	471,200
MO.....	11,828	1,594	571	55,582	7,476	28,643	19,479	255,022	4,132	384,326
MT.....	3,026	389	60	8,985	821	5,655	6,187	35,523	985	61,631
NE.....	7,813	262	228	16,734	1,101	8,798	11,011	50,141	1,544	97,632
NV.....	1,204	60	40	6,673	1,447	4,717	3,684	30,764	886	49,424
NH.....	1,283	156	132	5,628	570	5,517	3,897	12,084	407	29,663
NJ.....	11,749	3,597	949	57,486	5,570	28,202	20,009	23,659	7,341	366,560
NM.....	8,255	3,017	24	29,070	4,118	13,538	9,207	99,630	1,844	168,703
NY.....	41,122	27,149	1,518	218,910	40,326	122,580	67,519	930,045	22,685	1,472,153
NC.....	13,331	2,981	118	84,732	19,860	42,282	28,431	227,688	5,067	424,490
ND.....	4,893	234	64	7,786	507	5,234	5,993	21,407	599	46,719
No. Marianas ⁴	0	0	0	1,565	566	0	0	0	0	2,131
OH.....	18,727	2,548	1,158	104,695	18,421	63,302	34,321	751,129	11,824	1,006,125
OK.....	8,149	596	132	42,919	8,165	22,249	33,011	159,068	3,567	277,857
OR.....	6,585	806	228	24,960	2,798	15,395	9,052	150,166	3,098	213,038
PA.....	18,983	7,123	750	98,551	8,593	57,478	47,413	553,752	6,264	798,907
PR ⁴	0	2,772	0	94,578	17,234	67,446	10,305	0	1,192	193,527
RI.....	1,619	786	113	7,142	805	6,022	3,390	32,615	0	52,493
SC.....	6,603	3,930	22	56,659	10,362	29,406	15,325	167,229	1,889	291,425
SD.....	2,052	605	49	11,277	1,609	5,925	9,913	31,276	1,080	63,787
TN.....	8,474	1,562	36	65,667	16,252	30,298	26,150	312,362	6,328	467,128
TX.....	42,343	5,502	91	277,527	72,301	104,406	78,309	1,098,397	21,737	1,700,611
Trust Territories ⁶	0	0	0	0	0	0	675	0	0	675
UT.....	7,546	361	44	22,168	682	15,803	9,036	61,233	1,076	117,950
VT.....	1,924	39	178	3,985	250	4,965	2,897	17,394	43	31,674
VA.....	9,274	1,486	256	56,387	8,465	29,160	21,210	206,418	7,394	340,049
VI.....	419	323	2	3,410	119	3,365	1,190	14,221	112	23,161
WA.....	16,431	735	296	39,908	3,877	21,846	17,940	168,481	3,472	272,986
WV.....	3,244	464	29	28,027	9,111	12,956	6,824	169,187	2,388	232,231
WI.....	8,282	1,213	1,844	42,343	2,803	24,010	19,390	156,684	4,176	260,745
WY.....	2,141	77	16	4,742	276	3,458	3,248	17,592	739	32,289
Dept. of Defense.....	0	0	0	2,205	0	0	1,623	0	0	3,827
Total.....	608,718	131,334	18,586	3,005,939	513,197	1,489,455	1,037,528	11,675,994	230,520	18,711,222

¹ Preliminary. Excludes administrative costs. ² Includes distribution of entitlement and bonus commodities to Schools, Child Care, Summer Food Service, Charitable Institutions, Summer Camps, Indian Reservations, Elderly Feeding, and Commodity Supplemental. Excludes \$33.1 million in entitlement commodities for Soup Kitchens and Food Banks. ³ Excludes \$151.0 million cash-in-lieu of commodities to School Lunch, Child Care, and Elderly Feeding Programs. ⁴ Excludes nutrition assistance grants of \$908.25 million to Puerto Rico and \$3.7 million to the Northern Marianas. ⁵ Includes the value of commodities provided under the Temporary Emergency Food Assistance Program. ⁶ The former Trust Territories no longer participate in Child Nutrition Programs. ⁷ Excludes the Adult Care component.

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Table 675.—Consumers' prices: Index number of prices paid for goods and services, United States, 1982-89 ¹

[1982-84=100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
1982 ²	97.4	97.8	96.9	100.0	97.0	92.5	96.5
1983	99.4	100.2	99.5	103.0	99.3	100.6	99.6
1984	103.2	102.1	103.6	108.6	103.7	106.8	103.9
1985	105.6	105.0	107.7	115.4	106.4	113.5	107.6
1986	109.0	105.9	110.9	121.9	102.3	122.0	109.6
1987	113.5	110.6	114.2	128.1	105.4	130.1	113.6
1988	118.2	115.4	118.5	133.6	108.7	138.6	118.3
1989	125.1	118.6	123.0	138.9	114.1	149.3	124.0

¹ Reflects retail prices of goods and services usually bought by average families in urban areas of the United States. This index is the official index released monthly by the U.S. Department of Labor. Beginning 1978 data are for all urban consumers; earlier data are for urban wage earners and clerical workers. ² Data prior to 1980 available from U.S. Department of Labor.

Economic Research Service. Compiled from data of the U.S. Department of Labor.

Table 676.—Number of foodservice establishments, by industry segment, 1982-88

Industry segment	1982	1983	1984	1985	1986	1987	1988
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Separate eating places:							
Restaurants, lunchrooms.....	122,851	123,642	124,433	125,502	125,237	124,983	125,042
Fast food outlets.....	117,119	120,444	123,769	124,809	125,032	126,619	127,930
Cafeterias.....	6,029	5,835	5,640	5,388	4,277	4,420	4,312
Total.....	300,999	249,939	253,842	255,699	254,546	256,022	257,284
Lodging places.....	24,448	23,855	23,262	22,613	24,533	25,413	26,252
Retail hosts.....	57,578	56,963	56,348	56,005	55,616	54,942	54,008
Recreation, entertainment.....	34,093	34,188	34,282	34,910	35,716	36,125	36,660
Separate drinking places.....	44,478	43,092	41,706	40,642	39,462	38,520	37,113
Commercial feeding total.....	410,155	408,030	409,453	409,869	409,873	411,022	411,317
Education:							
Elementary, secondary.....	91,300	90,600	89,600	89,424	88,824	88,414	89,692
Colleges, universities.....	3,280	3,284	3,288	3,299	3,312	3,443	3,511
Other education.....	2,966	2,975	3,000	3,076	3,120	3,185	3,240
Total.....	97,546	96,859	95,888	95,799	95,256	95,042	96,443
Plants, office buildings.....	15,414	15,409	15,846	15,963	16,006	16,814	17,250
Hospitals.....	6,915	6,888	6,861	6,835	6,810	6,796	6,772
Care facilities.....	26,817	27,875	28,933	29,711	30,599	31,218	31,945
Vending.....	3,608	3,582	3,556	3,535	3,507	3,480	3,453
Military services:							
Troop feeding.....	1,387	1,341	1,310	1,290	1,250	1,222	1,217
Clubs, exchanges.....	2,431	2,420	2,042	1,980	1,940	1,913	1,904
Total.....	3,818	3,761	3,352	3,270	3,190	3,135	3,121
Transportation.....	664	644	642	640	626	607	594
Associations.....	19,272	19,333	19,394	19,450	19,333	19,200	19,070
Correctional facilities.....	7,031	7,085	7,164	7,204	7,232	7,255	7,282
Child day care centers.....	70,679	78,800	84,175	88,410	91,645	94,819	96,918
Elderly feeding programs.....	13,246	13,993	14,035	14,068	19,167	19,605	20,000
Other.....	16,159	16,479	16,799	17,101	17,389	17,681	17,767
Noncommercial feeding total.....	281,169	290,788	296,645	301,986	310,760	315,652	320,615
Grand total.....	691,324	698,738	706,098	711,855	720,633	726,674	731,932

Economic Research Service, *Food Marketing Review*, 1989-90. AER No. 639.

Table 677.—Foodservice sales, by industry segment, 1982-88

Industry segment	1982	1983	1984	1985	1986	1987	1988
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Separate eating places:							
Restaurants, lunchrooms.....	40,931	44,731	48,419	52,296	54,077	57,942	60,476
Fast food outlets.....	36,492	41,898	47,319	51,455	54,767	56,822	60,597
Cafeterias.....	2,699	2,871	3,022	2,992	2,517	2,919	3,033
Total ¹	80,122	89,500	98,760	106,743	111,661	117,683	124,106
Lodging places.....	6,164	6,756	7,264	7,355	7,862	7,913	8,020
Retail hosts.....	3,943	4,318	4,779	4,910	5,242	5,391	5,499
Recreation, entertainment.....	2,813	3,093	3,394	3,510	3,935	4,215	4,468
Separate drinking places.....	1,098	1,111	1,076	982	903	844	817
Commercial feeding total ¹	94,140	104,778	115,273	123,500	129,603	136,046	142,910
Education:							
Elementary, secondary.....	7,368	7,537	7,930	8,472	8,673	8,803	8,973
Colleges, universities.....	3,487	3,886	4,092	4,230	4,403	4,544	4,735
Other education.....	175	201	217	240	267	277	283
Total ¹	11,030	11,624	12,239	12,942	13,343	13,624	13,991
Plants, office buildings.....	5,919	6,258	6,793	7,186	7,365	7,525	7,826
Hospitals.....	5,609	5,715	5,817	5,905	6,392	6,750	7,028
Care facilities.....	4,797	4,983	5,281	5,452	5,522	5,752	5,982
Vending.....	3,214	3,348	3,553	3,730	3,685	3,705	3,838
Military services:							
Troop feeding.....	1,644	1,709	1,765	1,853	1,933	2,002	2,076
Clubs, exchanges.....	522	546	601	617	627	642	666
Total ¹	2,166	2,255	2,366	2,470	2,560	2,644	2,742
Transportation.....	1,685	1,793	1,922	1,996	2,296	2,469	2,822
Associations.....	1,431	1,501	1,562	1,610	1,692	1,714	1,795
Correctional facilities.....	1,018	1,092	1,155	1,205	1,388	1,505	1,545
Child day care centers.....	607	663	760	835	920	1,012	1,047
Elderly feeding programs.....	579	629	689	744	804	884	897
Other.....	223	238	252	268	287	303	336
Noncommercial feeding total ¹	38,278	40,099	42,389	44,343	46,254	47,887	49,849
Grand total ¹	132,418	144,877	157,662	167,843	175,857	183,933	192,759

¹ Totals may not add due to rounding.

Economic Research Service, *Food Marketing Review*, 1989-90. AER No. 639.

CHAPTER XIV

MISCELLANEOUS AGRICULTURAL STATISTICS

This chapter contains miscellaneous data which do not fit into the preceding chapters. Included here are summary tables on foreign trade in agricultural products; statistics on fishery products; tables on refrigerated warehouses; and statistics on crops in Alaska.

Foreign Agricultural Trade Statistics

U.S. foreign agricultural trade statistics are based on documents filed by exporters and compiled by the Bureau of the Census. Agricultural commodities consist of (1) nonmarine food products and (2) other products of agriculture which have not passed through complex processes of manufacture such as fibers, raw hides and skins, fats and oils, beer, and wine. Such manufactured products as textiles, leather, boots and shoes, cigarettes, naval stores, forestry products, and distilled alcoholic beverages are not considered agricultural.

The trade statistics exclude shipments between the 50 States and Puerto Rico, between the 50 States and the island possessions, between Puerto Rico and the island possessions, among the island possessions, and in transit through the United States from one foreign country to another when documented as such by U.S. Customs authorities.

The export statistics also exclude shipments to the U.S. Armed Forces and diplomatic missions abroad for their own use and supplies for vessels and planes engaged in foreign trade. Data on shipments valued at less than \$251 (\$100 prior to October 1969) are not compiled by commodity and are excluded from agricultural statistics but are reflected in shipments under Public Law 83-480 (Agricultural Trade Development and Assistance Act), and related laws; under the Foreign Assistance Act of 1961, as amended; and involving Government payments to exporters. (USDA payments are excluded from the export value.) Separate statistics on Government program exports are compiled by the U.S. Department of Agriculture from data obtained from operating agencies.

The export value, the value of the port of exportation, is based on the selling price (or cost if not sold) and includes inland freight, insurance, and other charges to the port. The country of destination is the country of ultimate destination or where the commodities are to be consumed, further processed, or manufactured. When the shipper does not know the ultimate destination, the shipments are credited to the last country, as known to him at the time of shipment from the United States, to which the commodities are to be shipped in their present form. Since substantial amounts of agricultural commodities such as wheat, corn, and soybeans are transshipped through the Netherlands, West Germany, and Belgium, exports of those countries are overstated. Exports to final destinations including the United Kingdom, France, Spain, East Germany, and other countries are understated. Except for Canada, export shipments valued \$251-\$999 (\$100-\$499 prior to October 1969) are included on the basis of sampling estimates; shipments to Canada valued \$251-\$1,999 (\$100-\$1,999 prior to October 1969) are sampled. Prior to January 1, 1973, shipments of grains and oilseeds to Canada were greatly overstated because of transshipments. After January 1, 1973, shipments to Canada of wheat, rye, barley, oats, corn, soybeans, and flaxseed from certain U.S. ports to certain Canadian ports were designated as exports to "unidentified countries."

Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. The import value, defined generally as the market value in the foreign country, excludes import duties, ocean freight, and marine insurance. The country of origin is defined as the country where the commodities were grown or processed. Where the country of origin is not known, the imports are credited to the country of shipment. Low-valued shipments under \$251 are reflected in nonagricultural and overall import totals.

Table 678.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 1975-89

Year ending Sept. 30 ¹	Total domestic exports	Agricultural exports ²		Total imports for consump- tion	Agricultural imports (for consumption) ³					Excess of domestic agricul- tural exports over competi- tive imports
		Domes- tic	Percent- age (domes- tic) of total exports		Total	Competi- tive	Noncompe- titive	Competitive		
								Percent- age of total agricul- tural exports	Percent- age of total agricul- tural imports	
	Million dollars	Million dollars	Percent	Million dollars	Million dollars	Million dollars	Million dollars	Percent	Percent	Million dollars
1975.....	102,858	21,578	21	101,060	9,579	6,821	2,758	32	71	14,757
1976.....	109,389	22,147	20	105,883	10,107	6,289	3,818	28	62	15,858
(*).....	(27,313)	(5,356)	(20)	(31,686)	(2,804)	(1,597)	(1,207)	(30)	(43)	(3,759)
1977.....	119,118	23,974	20	142,418	13,357	6,548	6,809	27	49	17,426
1978.....	131,559	27,289	21	165,981	13,886	7,314	6,572	27	53	19,975
1979.....	167,818	31,979	19	193,610	16,186	9,075	7,110	28	56	22,904
1980.....	210,327	40,481	19	240,866	17,276	9,924	7,351	25	57	30,557
1981.....	229,203	43,780	19	254,687	17,218	11,302	5,916	26	66	32,478
1982.....	215,405	39,097	18	248,834	15,485	10,198	5,287	26	66	28,899
1983.....	194,142	34,769	18	246,900	16,373	10,909	5,465	31	67	23,860
1984.....	208,041	38,027	18	316,652	18,916	12,240	6,676	32	65	25,787
1985.....	210,437	31,201	15	333,462	19,740	12,959	6,781	42	66	18,242
1986.....	205,603	26,312	13	363,730	20,884	13,074	7,810	50	63	13,238
1987.....	230,787	27,876	12	388,024	20,650	13,864	6,786	50	67	14,012
1988.....	293,972	35,316	12	430,152	21,014	14,541	6,473	41	69	20,775
1989 ⁴	342,158	39,652	12	462,551	21,477	15,239	6,238	38	71	24,413

¹ Fiscal years July 1-June 30 for 1975 and 1976; Oct. 1-Sept. 30 for 1977-1989. ² Includes food exported for relief or charity by individuals and private agencies. ³ Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, and vegetable fibers. ⁴ Transition quarter July 1, 1976 to September 30, 1976. ⁵ Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 679.—Agricultural exports: Quantity Indexes, United States, fiscal years 1978-89

[Calendar year 1977=100]

Year ending Sept. 30 ¹	Total agricul- tural ex- ports ²	Anim- als and animal prod- ucts	Meat and meat prod- ucts ³	Animal fats ³	Dairy prod- ucts ³	Poultry and poultry prod- ucts ³	Cotton and linters	Tobacco un- manu- factured	Grains and feeds	Vegeta- ble oils and oil- seeds	Fruits and vegeta- bles
1978.....	117	100	100	94	143	104	130	96	119	124	107
1979.....	120	98	96	93	121	112	132	100	123	127	108
1980.....	143	106	101	111	156	168	193	99	146	150	133
1981.....	135	113	107	110	185	201	119	88	153	125	159
1982.....	140	117	107	108	292	161	147	89	142	149	158
1983.....	129	115	101	103	380	127	114	86	127	146	133
1984.....	124	121	102	99	498	112	142	80	134	116	124
1985.....	112	122	105	87	513	117	124	90	115	102	112
1986.....	103	130	111	96	566	133	49	79	92	120	111
1987.....	119	138	134	87	515	188	126	79	110	126	127
1988.....	132	144	155	97	404	198	135	80	132	130	147
1989 ⁴	126	160	213	98	263	234	141	74	139	94	149

¹ Fiscal years, Oct. 1-Sept. 30. ² Based on 92 percent of total value of U.S. agricultural exports in 1977.

³ Included in "Animals and animal products." ⁴ Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 680.—Agricultural imports: Quantity indexes, United States, fiscal years 1978-89

[Calendar year 1977=100]

Year ending Sept. 30 ¹	Total agricultural imports ²	Non-competitive imports ³	Competitive imports ³	Animals and animal products	Dairy products ⁴	Hides and skins ⁴	Meat and meat products ⁴	Wool excluding free in bond ⁴	Grains and feeds	Vegetable oils and oil-seeds	Sugar cane or beet	Tobacco unmanufactured
1978.....	101	102	100	108	105	98	110	79	94	84	83	105
1979.....	115	122	105	118	116	92	127	80	114	85	80	115
1980.....	107	112	100	108	110	75	115	91	119	78	75	118
1981.....	107	109	104	111	119	118	115	152	110	115	71	112
1982.....	105	108	100	110	130	60	114	147	131	87	66	92
1983.....	111	113	108	119	139	123	119	130	136	91	49	167
1984.....	116	120	111	118	146	143	115	207	157	99	54	132
1985.....	122	125	118	133	142	150	142	145	200	108	45	133
1986.....	126	129	122	143	141	175	144	191	238	133	36	145
1987.....	126	128	122	154	133	105	162	218	245	129	28	157
1988.....	119	120	118	151	125	71	162	218	255	148	21	151
1989 ⁵	119	123	114	134	125	95	138	232	290	151	32	118

See footnotes on page 481.

Table 681.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1989¹

Commodity	Public Law 480				Foreign dona- tions section 416 ⁴	Foreign Assist- ance Act of 1961, as amend- (AID)	Total agricultural exports		
	Title I sales		Title II donations				Under speci- fied Govern- ment pro- grams	Outside speci- fied Govern- ment pro- grams ⁵	All
	Local curren- cy ²	Long- term credit sales ³	Govern- ment to govern- ment and World Food Program	Volun- tary agencies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Baby chicks.....						0.5	0.5	68.4	68.9
Cattle-beef, breeding males.....						.1	.1	15.2	15.3
Cattle-dairy, breeding females.....						.1	.1	44.9	45.0
Cheese.....						.1	.1	29.1	29.2
Shell eggs for hatching.....						(*)	(*)	46.1	46.1
Milk, nonfat dry.....			0.3	0.2			.5	144.8	145.3
Wheat.....	18.7	361.1	80.0	45.1	21.3	128.3	654.5	5,349.0	6,003.5
Wheat flour.....		75.9	4.5	18.7		3.7	102.8	152.1	254.9
Bulgur wheat.....			6.0	39.7			45.7	-36.6	9.1
Rice.....		68.6	33.9	15.8			118.3	836.5	954.8
Corn.....		16.0	13.3	2.6	55.7	27.9	115.5	5,993.5	6,109.0
Grain sorghums.....			3.6	.1	30.4		34.1	883.8	919.9
Cornmeal.....			5.1	11.3			16.4	10.3	26.7
Cornstarch, including milo.....						(*)	(*)	31.7	31.7
Corn-soya-milk.....			1.4	60.0			61.4	-3.8	57.6
Wheat-flour-soya.....			2.3	4.3			6.6	2.1	8.7
Edible preparations, n.e.c.....			.1				.1	14.3	14.4
Soya-sorghum-grits.....			.5	.8			1.3	138.9	140.2
Soybeans.....						10.3	10.3	4,078.6	4,088.9
Sunflower seed.....						1.0	1.0	44.9	45.9
Oil, soybean.....		148.7	36.5	50.5			235.7	168.7	404.4
Oilcake and meal, soybean.....						3.1	3.1	1,328.9	1,332.0
Soy flour (defatted).....			.1	1.1			1.2	19.5	20.7
Tallow, inedible.....		18.5				6.1	24.6	381.3	405.9
Animal fats, oils, n.e.c.....						(*)	(*)	9.1	9.1
Baking/frying fats.....			.2	.2			.2	14.4	14.6
Seeds.....						3.0	3.0	503.6	506.6
Poultry feed.....						.5	.5	141.9	142.4
Livestock feed.....						.1	.1	88.1	88.2
Beans, dried.....			2.3	5.0			7.3	199.2	206.5
Peas, dried.....			2.6	2.8			5.4	32.9	38.3
Lentils, dried.....			11.3	7.2			18.5	5.5	24.0
Leguminous vegetables n.s.p.f., dried.....						(*)	(*)	3.2	3.2
Tobacco, unmanufactured.....						1.9	1.9	1,272.0	1,273.9
Cotton, excluding linters.....		14.5					14.5	2,025.2	2,039.7
Other.....								14,127.5	14,127.5
Total ⁷	18.7	703.3	203.8	265.2	107.4	186.9	1,485.3	38,166.8	39,652.1

See footnotes at end of table 682.

Table 682.—U.S. agricultural exports: Value of exports under specified Government-financed programs, exports excluding specified Government-financed programs, and total exports, year ending Sept. 30, 1988 ¹

Commodity	Public Law 480				Foreign dona- tions section 416 ⁴	Foreign Assist- ance Act of 1961, as amend- (AID)	Total agricultural exports		
	Title I sales		Title II donations				Under speci- fied Govern- ment pro- grams	Outside speci- fied Govern- ment pro- grams ⁵	All
	Local curren- cy ²	Long- term credit sales ³	Govern- ment to govern- ment and World Food Program	Volun- tary agen- cies					
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Baby chicks.....						0.2	0.2	8.2	8.4
Cattle-beef, breeding males.....						(⁶)	(⁶)	19.2	19.2
Cattle-dairy, breeding females.....						.6	.6	42.4	43.0
Butter.....			(⁶)				(⁶)	6.8	6.8
Cheese.....			0.1		0.6		.7	45.4	46.1
Anhydrous milk fat.....					8.8		8.8	—4.9	3.9
Milk, nonfat dry.....			3.2	8.2	4.7		16.1	212.7	228.8
Wheat.....	13.4	333.9	46.2	39.3	154.6	32.1	619.5	3,849.6	4,469.1
Wheat flour.....		69.5	8.5	16.4	2.2		96.6	73.8	170.4
Bulgur wheat.....			13.5	35.4	1		49.0	—22.5	26.5
Rice.....		48.0	43.3	3.9	8.1	1	103.3	628.1	731.4
Corn.....	2.2	24.6	9.4	1.9	77.6	2.4	118.1	4,205.7	4,323.8
Grain sorghums.....			6.2	3	19.9		26.4	538.1	564.5
Oats, rolled.....			1.0	1.2			2.2	—4	1.8
Cornmeal.....			4.8	5.0			9.8	9.1	18.9
Cornstarch, including milo.....						(⁶)	(⁶)	28.6	28.6
Corn-soya-milk.....			17.3	39.8			57.1	—4.5	52.6
Edible preparations, n.e.c.....			.8	1.6		.2	2.6	15.7	18.3
Soya-sorghum-grits.....			2.4	.9			3.3	148.5	151.8
Soybeans.....	2.8				2.5		5.4	5,060.2	5,065.6
Sunflower seed.....						.5	.5	85.4	85.9
Oil, soybean.....	15.0	145.6	60.1	66.7		1.0	288.4	148.4	436.8
Oil, corn.....						.2	.2	102.0	102.2
Oilcake and meal, soybean.....		13.5				7.5	21.0	1,448.8	1,469.8
Soy flour (defatted).....				.6			.6	3.8	4.4
Tallow, inedible.....		14.8				9.4	24.2	432.5	456.7
Seeds.....						29.9	29.9	384.6	414.5
Poultry feed.....						.3	.3	120.8	121.1
Feeds and fodders.....						1.1	1.1	1,719.1	1,720.2
Beans, dried.....			17.9	2.5			20.4	132.3	152.7
Peas, dried.....			.9	.2			1.1	39.8	40.9
Lentils, dried.....			.4	3.5			3.9	10.6	14.5
Other vegetable products.....						(⁶)	(⁶)	18.5	18.5
Sugar syrup.....						.6	.6	21.1	21.7
Cotton, excluding linters.....		10.0					10.0	2,125.7	2,135.7
Other.....								12,203.6	12,203.6
Total ⁷	33.4	659.9	236.0	227.4	279.1	86.2	1,521.9	33,856.8	35,378.7

¹ Preliminary. ² Authorized by the Food Security Act of 1985. ³ Includes long-term dollar and convertible foreign currency credit sales. ⁴ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985. ⁵ "Agricultural exports outside specified Government programs" (sales for dollars) include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of extension of credit and credit guarantees through the Commodity Credit Corporation. Negative quantity due to adjustments for prior periods, reporting lags or classification differences. ⁶ Less than \$50,000. ⁷ Totals may not add due to rounding.

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FOOTNOTES FOR TABLE 680

¹ Fiscal years Oct. 1–Sept. 30 for 1978–89. ² Based on 86 percent of total value of U.S. agricultural imports in 1977. ³ Competitive agricultural imports consist of all imports similar to agricultural commodities produced commercially in the United States, together with all other agricultural imports interchangeable to any significant extent with such U.S. commodities. Non-competitive agricultural imports include all others, about 90 percent of which consist of rubber, coffee, tea, cacao beans, raw silk, wool for carpets, bananas, spices, and vegetable fibers. ⁴ Included in "Animals and animal products." ⁵ Preliminary.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 683.—U.S. agricultural exports under the concessional program: Estimated market value of agricultural shipments under Title I/III of Public Law 480 for fiscal years 1987 and 1988 ¹

Country	Wheat and flour	Feed grains	Rice	Cotton	Vegetable oils	Other	Total
1987 (year ending Sept. 30, 1987)							
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Bangladesh	37,000		10,000	10,000	10,000		67,000
Bolivia	20,000						20,000
Costa Rica	14,200	1,000					15,200
Dominican Republic			9,900		20,100		30,000
Ecuador							
Egypt	184,500						184,500
El Salvador	12,000				7,600	* 10,500	30,100
Ghana			2,000	6,000			8,000
Guatemala	14,000	1,000			3,900		18,900
Guinea			8,000				8,000
Guyana	5,000				700		5,700
Haiti	6,000				4,000		10,000
Honduras	8,500	1,500				* 2,000	12,000
Indonesia	30,000					* 8,000	38,000
Jamaica	18,700	8,400	5,600		400	* 2,700	35,800
Kenya	8,000						8,000
Liberia			10,000				10,000
Madagascar	2,000				6,000		8,000
Maldives	500						500
Morocco	25,000	4,000					29,000
Mozambique					21,000		21,000
Pakistan					50,000		50,000
Peru	18,000	7,000					20,000
Philippines							
Senegal			10,000				10,000
Sierra Leone	2,000		6,000				8,000
Somalia							
Sri Lanka	24,000						24,000
Sudan	55,000						55,000
Tunisia	17,500	7,500					25,000
Yemen Arab Rep.	8,000		7,000				15,000
Zaire	5,500		5,500	5,000			16,000
Zambia						* 400	400
Total	510,400	30,400	74,000	21,000	123,700	23,600	783,100
1988 (year ending Sept. 30, 1988 *)							
Bangladesh	25,000		15,000	10,000	10,000		60,000
Bolivia	20,000						20,000
Costa Rica							
Dominican Republic	5,000				15,000		20,000
Ecuador							
Egypt	153,700				26,000		179,700
El Salvador	12,500	2,000			9,600	* 17,400	41,500
Ghana		2,000	4,000				6,000
Guatemala	13,900				4,100		18,000
Guinea							
Guyana	6,900						6,900
Haiti							
Honduras	12,000						12,000
Indonesia	15,000						15,000
Jamaica	16,800	12,600	2,800			* 2,800	35,000
Kenya	10,000						10,000
Liberia							
Madagascar							
Maldives							
Morocco	20,000				16,000		36,000
Mozambique							
Pakistan					80,000		80,000
Peru	10,000	3,800					13,800
Philippines			30,000				30,000
Senegal			5,000				5,000
Sierra Leone	1,000		3,000				4,000
Somalia				1,000			1,000
Sri Lanka	26,000						26,000
Sudan	29,400						29,400
Tunisia	20,000	5,000				* 4,900	29,900
Uganda						* 4,000	4,000
Yemen Arab Rep.	5,000		5,000				10,000
Zaire	11,000			2,000			13,000
Zambia	4,000				4,000	* 2,000	10,000
Total	417,200	25,400	64,800	13,000	164,700	81,100	716,200

See footnotes on page 483.

Table 684.—U.S. agricultural exports: Value under specified Government-financed programs, commercial exports with and without assistance, and total, fiscal years 1984-89 ¹

Type of export	1984	1985	1986	1987 ²	1988 ²	1989 ²
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Public Law 480:						
Local currency sales.....	0	0	0	18	33	19
Long-term dollar and convertible foreign currency credit sales.....	775	928	766	677	660	703
Government-to-government and World Food Program donations.....	291	395	179	125	236	204
Donations through voluntary agencies.....	311	304	241	123	227	265
Foreign donations, section 416 ³	129	279	147	133	279	107
Foreign Assistance Act of 1961, as amended (AID).....	104	90	129	60	86	187
Total agricultural exports under specified Government programs ⁴	1,610	1,996	1,462	1,137	1,522	1,485
	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>	<i>Billion dollars</i>
Commercial exports (sales for dollars):						
Without assistance.....	32.6	26.4	22.4	24.0	30.2	33.2
With assistance ⁵	3.8	2.8	2.4	2.7	3.7	5.0
Total commercial exports.....	36.4	29.2	24.8	26.7	33.9	38.2
Total exports ⁴	38.0	31.2	26.3	27.9	35.3	39.7

¹ Fiscal years Oct. 1-Sept. 30 for 1984-89. ² Preliminary. ³ Section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Adjustment Act of 1984 and the Food Security Act of 1985. ⁴ Totals may not add due to rounding. ⁵ Shipments under export credit and guarantee programs (GSM-5, GSM-101, GSM-102, GSM-103, and blended credit).

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FOOTNOTES FOR TABLE 683

¹ Estimated market values include values of sales registered under P.L. 480 agreements for convertible local currency credit local currency payment provisions. These methods of financing were included in Title I provisions of the act signed in the Food Security Act of 1985. Totals may not add due to rounding. ² Inedible tallow. ³ Soybeans and meal. ⁴ Preliminary.

FAS-Program Analysis Division Export Credits.

Table 685.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1985-89 ¹

Product	1985	1986	1987	1988	1989 ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
All commodities.....	210,437,100	205,602,600	230,787,000	293,972,100	342,157,600
Nonagricultural commodities.....	179,236,302	179,290,724	202,910,993	258,656,320	302,505,495
Agricultural commodities.....	31,200,798	26,311,876	27,876,007	35,315,780	39,652,105
Animals and animal products ³	4,075,478	4,356,331	5,014,215	6,057,150	6,541,936
Animals, live excluding poultry.....	255,241	344,279	330,569	452,073	474,707
Cattle.....	106,445	120,992	98,861	166,995	152,104
Other.....	148,796	223,287	231,708	285,077	322,602
Dairy products.....	413,532	430,986	490,606	535,503	474,728
Butter and anhydrous milkfat.....	66,221	40,151	17,674	10,745	31,877
Cheese and curd.....	27,303	26,216	31,862	46,096	29,231
Milk, condensed, or evaporated.....	5,142	5,677	2,161	3,529	20,775
Milk, nonfat dry.....	183,937	220,962	221,011	227,775	145,295
Other.....	130,864	137,980	217,897	246,359	247,549
Fats, oils and greases.....	607,907	476,518	416,785	544,632	530,775
Lard and other rendered pig fat.....	28,507	25,480	22,462	26,738	29,508
Tallow, inedible.....	531,787	411,591	355,333	456,736	405,857
Other.....	47,613	39,447	38,991	61,159	95,410
Meats and meat preparations.....	905,628	1,012,383	1,299,643	1,796,553	2,355,076
Beef and veal, except offals.....	477,522	539,055	734,079	1,008,764	1,420,685
Pork, except offals.....	73,106	80,757	104,852	228,166	304,962
Offals, edible, variety meats.....	293,986	326,178	355,026	410,687	422,941
Other.....	61,014	66,393	105,686	148,937	206,488
Poultry and poultry products.....	392,750	455,308	594,334	647,405	728,207
Poultry, live:					
Breeding chicks.....	43,610	44,052	56,390	68,040	63,109
Baby chicks, excluding breeding.....	5,280	3,868	5,832	8,400	5,764
Other.....	3,866	4,840	10,339	6,827	11,116
Poultry meat; fresh, frozen:					
Chickens.....	209,942	239,795	361,194	365,644	453,160
Turkeys.....	16,066	14,013	15,718	24,712	23,664
Other.....	14,084	15,264	15,854	16,179	16,436
Eggs.....	56,347	75,275	79,884	109,901	100,968
Other.....	43,555	58,201	49,123	47,702	53,990
Hides and skins, including furskins.....	1,324,624	1,443,233	1,665,557	1,836,780	1,712,990
Cattle hides, whole.....	1,018,939	1,134,435	1,253,731	1,458,369	1,360,116
Furskins.....	209,210	194,837	282,141	210,515	146,636
Other.....	96,475	113,960	129,685	167,896	206,238
Other animal products.....	175,796	193,624	216,721	244,204	265,453
Hair, animal, excluding wool or fine hair.....	2,301	3,876	3,372	3,904	3,323
Sausage casings.....	14,532	17,824	22,559	29,668	29,332
Wool, unmanufactured, including fine hair.....	45,297	45,134	55,330	41,382	39,969
Other.....	113,666	126,790	135,460	169,250	192,829
Vegetable products ³	27,125,320	21,955,547	22,861,792	29,258,630	33,110,169
Cotton, unmanufactured.....	1,966,828	691,863	1,429,361	2,150,111	2,059,389
Cotton, raw.....	1,945,039	677,570	1,419,322	2,135,657	2,039,708
Linters.....	21,789	14,293	10,039	14,454	19,681
Fruits and preparations.....	1,200,127	1,287,000	1,466,229	1,714,084	1,800,242
Canned.....	60,849	60,988	64,948	79,099	80,213
Dried.....	164,146	192,513	230,965	263,835	262,045
Fresh.....	744,650	803,408	935,965	1,065,708	1,110,733
Fruit juices.....	199,590	148,394	185,093	252,161	264,452
Other.....	30,892	31,698	49,237	53,281	82,799
Nuts and preparations.....	686,348	677,484	768,596	906,408	857,793
Grains and feeds.....	13,285,386	9,472,202	9,058,692	12,572,736	16,828,857
Feed grains and products.....	6,883,882	3,817,267	3,752,193	5,193,112	7,383,074
Feed grains.....	6,791,576	3,743,512	3,684,447	5,116,232	7,253,140
Barley.....	145,960	62,891	242,436	226,373	211,424
Corn.....	5,787,517	3,291,341	3,047,536	4,323,848	6,109,035
Grain sorghum.....	856,385	385,733	391,342	564,496	919,893
Oats.....	966	2,799	1,769	822	1,474
Rye.....	748	749	1,364	693	11,315
Other.....	92,306	73,755	67,746	76,880	129,934
Rice.....	677,108	647,507	550,536	733,984	954,846
Wheat and products.....	4,525,900	3,546,840	3,115,629	4,675,113	6,278,399
Wheat.....	4,263,694	3,259,669	2,877,010	4,469,113	6,003,516
Wheat flour.....	163,832	203,444	206,660	170,388	254,933
Other wheat products.....	98,374	83,727	31,959	35,612	19,950
Blended food products.....	68,520	56,966	38,118	55,676	66,256
Other.....	126,192	117,179	147,200	193,969	297,732
Feeds and fodders, excluding oilcake and meal.....	1,003,783	1,286,443	1,455,015	1,720,882	1,848,552
Corn byproducts.....	530,957	729,434	783,104	845,956	786,908
Alfalfa meal and cubes.....	63,290	84,392	87,546	91,410	80,865
Other.....	409,536	472,618	584,364	783,517	980,779

See footnotes at end of table.

Table 685.—Foreign trade in agricultural products: Value of exports by principal groups, United States, fiscal years 1985-89 ¹—Continued

Product	1985	1986	1987	1988	1989 ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Vegetable products—Continued					
Oilseeds and products.....	6,194,548	6,271,300	6,307,703	7,691,652	6,632,187
Oilseed cake and meal.....	852,939	1,131,873	1,346,948	1,500,175	1,358,202
Soybean oilseed cake and meal.....	833,033	1,113,189	1,324,668	1,469,131	1,332,032
Other.....	19,905	18,684	22,280	31,044	26,170
Oilseeds.....	4,323,891	4,398,905	4,422,520	5,229,847	4,366,464
Soybeans.....	3,875,897	4,173,624	4,205,275	5,000,087	4,088,919
Other.....	397,762	166,036	153,908	147,660	174,717
Protein substances.....	50,232	54,245	63,337	82,099	102,829
Vegetable oils and waxes.....	1,017,718	745,522	538,236	961,630	907,521
Soybean oil.....	558,195	291,755	222,947	436,813	404,369
Other.....	459,523	453,767	315,289	524,817	503,152
Tobacco, unmanufactured.....	1,587,905	1,317,510	1,208,139	1,297,054	1,273,900
Flue-cured.....	1,057,741	813,001	747,750	813,557	722,561
Other.....	530,164	504,509	455,389	483,497	551,339
Vegetable and preparations.....	945,832	996,752	1,175,840	1,280,487	1,542,280
Canned.....	94,371	100,665	107,910	138,205	146,631
Pulses.....	192,220	200,075	267,607	208,135	268,698
Fresh.....	231,694	226,791	252,288	310,642	341,054
Hops, including extract.....	52,609	51,781	54,737	62,081	76,185
Other.....	374,438	417,440	493,299	561,424	709,712
Essential oils.....	104,377	104,924	110,784	120,043	171,367
Seeds, except oilseeds.....	352,273	386,512	371,111	414,694	506,559
Other vegetable products.....	801,197	820,000	970,337	1,111,361	1,437,595

¹ Fiscal years, Oct. 1-Sept. 30. ² Preliminary. ³ Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 686.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1985-89 ¹

Product	1985	1986	1987	1988	1989 ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
All commodities.....	334,462,000	363,729,900	388,024,300	430,152,000	462,551,000
Nonagricultural commodities.....	313,722,358	342,845,491	367,374,322	409,137,634	441,074,066
Agricultural commodities.....	19,739,612	20,884,409	20,649,978	21,014,366	21,476,934
Competitive ³	12,959,006	13,074,418	13,663,942	14,541,303	15,238,775
Animals and animal products.....	4,152,796	4,281,800	5,049,786	5,233,211	4,886,470
Animals, live, excluding poultry.....	568,589	636,995	609,666	729,340	739,628
Cattle, dutiable.....	238,777	386,021	457,199	594,339	562,595
Meats and meat products.....	2,213,362	2,243,493	2,797,057	2,738,388	2,431,325
Meats, P.L. 88-482.....	1,097,233	1,084,974	1,365,030	1,482,326	1,355,292
Meats, fresh, frozen.....	1,529,989	1,573,560	2,003,763	2,061,855	1,830,869
Beef and veal.....	1,096,090	1,082,304	1,361,139	1,476,510	1,347,038
Pork.....	388,913	425,380	596,029	515,619	399,151
Mutton, goat, and lamb.....	22,392	36,307	30,893	37,736	41,254
Meats, prepared, preserved.....	675,194	663,806	743,838	691,206	557,838
Beef and veal.....	193,720	169,988	213,612	204,050	178,388
Pork.....	457,602	474,144	529,363	485,244	378,734
Mutton, goat, and lamb.....	645	506	913	1,912	716
Poultry and products.....	92,582	101,082	112,232	97,369	129,875
Dairy products.....	763,435	786,706	848,778	880,794	833,933
Nonfat dry milk.....	1,241	1,029	1,133	1,460	1,317
Cheese.....	364,097	386,272	396,775	375,436	364,637
Casein and mixtures.....	212,777	197,322	230,214	296,013	351,148
Fats, oils and greases.....	17,760	16,862	17,876	19,303	14,247
Hides and skins.....	239,846	198,411	303,903	247,085	240,945
Sheep and lamb skins.....	30,438	27,277	36,470	41,790	39,291
Furskins.....	165,985	132,051	231,080	148,034	137,870
Wool, unmanufactured excluding free.....	109,911	123,315	152,668	244,752	262,319
Sausage casings.....	49,545	50,820	58,891	66,323	70,533
Other animal products.....	97,266	119,116	148,715	159,857	163,165
Vegetable products.....	8,806,210	8,792,618	8,814,056	9,308,092	10,352,305
Grains and feeds.....	603,747	670,067	727,466	867,909	1,138,821
Wheat, excluding seed, edible.....	29,507	25,142	35,298	51,811	50,753
Barley.....	16,893	17,765	18,154	21,135	42,901
Biscuits, wafers.....	192,777	244,371	271,340	273,796	315,412
Feeds and fodders.....	111,856	115,293	118,287	159,619	218,237

See footnotes at end of table.

Table 686.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 1985-89 ¹—Continued

Product	1985	1986	1987	1988	1989 ²
Competitive ³ —Continued	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
Vegetable products—Continued					
Fruits and preparations.....	1,791,435	1,550,209	1,709,533	1,780,741	1,878,269
Fresh or frozen	450,828	508,316	626,547	658,770	679,351
Strawberries	23,604	24,859	43,589	35,366	34,914
Prepared or preserved.....	345,113	346,933	354,957	354,211	406,458
Pineapples	148,834	162,552	150,085	151,850	169,586
Fruit juices	995,494	694,960	728,030	767,760	792,460
Nuts and preparations.....	342,421	381,809	380,293	335,693	332,548
Vegetables and preparations.....	1,346,846	1,558,922	1,508,766	1,593,092	1,959,204
Fresh or frozen	644,041	798,260	691,088	725,208	918,722
Tomatoes	168,567	323,766	175,384	164,448	212,151
Prepared or preserved.....	702,806	760,662	817,678	867,884	1,040,483
Olives	82,282	101,117	110,062	129,546	136,593
Mushrooms, canned	125,806	120,925	136,953	118,834	126,870
Hops and extract	37,622	49,498	35,219	26,799	24,780
Sugar and related products	1,280,020	1,002,217	761,933	625,123	948,989
Sugar, cane, and beet	911,942	654,243	497,381	371,532	620,442
Molasses, inedible	91,637	83,797	72,223	71,247	60,689
Confectionery products	145,187	104,413	70,989	62,495	146,052
Spices	27,331	23,177	27,861	31,219	37,651
Tobacco, unmanufactured	555,528	605,573	634,214	610,806	520,582
Tobacco, filler	498,999	554,528	586,699	569,972	500,991
Tobacco, scrap	32,790	29,102	25,176	17,731	7,321
Beverages, excluding fruit juices	1,622,200	1,848,203	1,923,156	2,008,473	1,814,787
Wine	948,344	1,018,566	953,194	976,281	896,201
Malt beverages	601,540	763,466	855,350	940,371	854,680
Oilseeds and products	784,345	641,241	579,330	898,174	945,565
Oilseeds and oilnuts	97,982	69,143	56,341	71,444	159,395
Flaxseed	32,779	12,590	8,621	15,897	58,002
Sesame seed	32,423	26,102	26,401	27,635	36,031
Oils and waxes—vegetables	669,766	557,447	493,013	724,702	720,923
Castor oil	31,759	18,583	26,723	24,965	33,297
Coconut oil	301,846	211,941	153,894	231,301	175,748
Olive oil	53,001	71,223	101,087	123,191	151,622
Palm oil	105,849	106,939	56,280	59,989	52,074
Palm kernel oil	103,252	70,183	58,665	103,196	96,057
Cotton, excluding linters	6,262	7,991	700	482	3,402
Cotton linters	10,606	6,016	6,357	8,362	4,478
Seeds, field and garden	90,863	111,539	155,551	153,009	187,344
Nursery stock	317,821	352,762	369,492	418,631	465,972
Other vegetable products	26,786	27,778	29,404	36,378	114,693
Noncompetitive ³	6,780,606	7,809,991	6,786,136	6,473,063	6,238,159
Bananas, fresh	713,351	703,016	770,456	767,725	795,277
Plantains, fresh	24,903	24,715	28,568	32,525	36,586
Coffee, green	3,047,973	4,153,154	3,027,001	2,413,689	2,289,327
Coffee, roasted	46,938	62,794	48,920	63,741	64,389
Coffee, soluble, extracts	148,791	186,080	157,214	122,249	112,283
Cocoa beans	532,605	446,821	412,676	497,622	420,504
Cocoa butter	308,039	319,245	334,002	353,869	196,882
Cocoa, cake, powder, etc.	120,740	106,381	125,848	111,198	101,147
Chocolate preparations	323,297	315,459	202,745	192,799	199,317
Tea, crude or prepared	183,589	136,240	114,119	123,275	133,050
Spices	242,690	345,679	404,549	355,424	289,430
Pepper, unground, black	71,429	149,460	144,233	109,845	75,648
Vanilla beans	48,943	64,211	72,265	67,947	48,604
Other	122,318	132,008	188,051	177,632	165,178
Rubber, crude, natural:					
Rubber-latex	62,948	69,584	84,493	111,188	212,571
Rubber-dry form	607,472	535,569	612,150	821,117	824,686
Silk, raw	7,376	5,885	7,409	6,615	11,454
Wool, unmanufactured, duty-free	35,326	37,141	48,214	47,187	57,055
Fibers, excluding cotton, jute	28,438	23,870	22,790	25,087	42,326
Essential oils	102,513	112,086	115,256	141,525	137,850
Drugs, crude natural	203,889	182,524	204,035	222,526	222,707
Other	39,728	43,748	65,691	63,702	91,318

¹ Fiscal years, Oct. 1-Sept. 30. ² Preliminary. ³ Competitive agricultural import products consists of all products similar to agricultural commodities produced commercially in the United States, together with all other agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 687.—Agricultural exports: Value of U.S. exports to the European Community, by commodity, fiscal years 1987/88 and 1988/89 ¹

Commodity	Value		Commodity	Value	
	1987/88	1988/89 ²		1987/88	1988/89 ²
	1,000 dollars	1,000 dollars		1,000 dollars	1,000 dollars
Total agricultural exports	7,486,331	6,564,666	Nonvariable levy commod- ities—Continued		
Variable-levy commodities.....	616,882	727,118	Fruits, fresh, noncitrus.....	57,795	54,968
Beef and veal.....	34,772	13,014	Apples, fresh.....	11,975	12,336
Pork.....	2,226	2,262	Grapes, fresh.....	8,635	8,970
Other meats—fresh or pre- pared.....	963	2,654	Other noncitrus, fresh.....	37,186	33,661
Poultry—live.....	8,994	6,930	Fruits, dried.....	115,743	113,012
Baby chicks.....	8,934	6,831	Raisins, dried.....	61,551	62,057
Poultry meats.....	18,922	14,676	Prunes, dried.....	47,683	48,675
Chickens—fresh or frozen.....	10,597	8,258	Other dried fruits.....	6,509	2,280
Turkeys—fresh or frozen.....	4,937	1,880	Fruits—canned excl. juice.....	8,615	10,159
Other poultry—fresh or frozen.....	2,950	3,555	Fruits—froz. excl. juice.....	8,195	5,532
Poultry meats—prepared or preserved.....	638	984	Other fruits—prep. or pres.....	8,639	12,315
Eggs.....	4,222	3,845	Fruit juices incl. frozen.....	43,007	39,553
Dairy products.....	11,448	28,948	Orange juice.....	26,516	27,694
Lard.....	334	11	Other fruit juices.....	16,491	11,859
Wheat, unmilled.....	101,273	130,954	Wine.....	27,616	27,449
Wheat, flour.....	347	1,485	Nuts and preparations.....	507,749	452,689
Other wheat products.....	916	1,010	Almonds (shelled basis).....	341,837	277,630
Rice-paddy, milled.....	84,818	140,539	Peanuts, shelled or prepa- rations.....	69,596	88,243
Feed grains and products.....	293,987	294,353	Walnuts, shelled/unshelled.....	79,907	73,698
Feed grains.....	283,036	282,751	Vegetables and preparations... Vegetables—fresh.....	173,126	201,963
Barley.....	4	1,142	Vegetables—frozen.....	12,174	10,685
Corn.....	265,885	255,981	Vegetables—canned.....	7,133	6,301
Grain sorghums.....	17,107	25,614	Pulses.....	27,725	27,630
Oats.....	14	13	Dried beans.....	69,154	87,712
Rye.....	26	0	Dried peas.....	56,546	77,737
Blended food products.....	379	159	Dried lentils.....	7,245	3,221
Other grain products.....	11,491	25,758	Hops, including hop ex- tract.....	5,364	6,755
Sugar.....	307	1,230	Other veg.—prep. or pres.....	9,261	12,504
Related sugar products.....	30,375	46,337	Oilseeds and products.....	47,679	57,130
Chocolate and prep.....	1,984	1,891	Oilcake and meal.....	2,656,085	1,957,362
Nonvariable-levy commodities...	6,869,449	5,837,548	Soybean meal.....	352,843	166,509
Animals live—excluding poultry.....	195,968	181,870	Other oilcake and meal.....	337,234	149,673
Horses, mules, burros— live.....	195,018	176,375	Oilseeds.....	15,608	16,835
Horsemeat—fr. chill, froz.....	85,256	106,101	Soybeans.....	2,215,848	1,721,048
Variety meats, edible offals.....	106,955	42,599	Sunflowerseeds.....	2,146,644	1,618,777
Feathers and downs, crude.....	1,727	1,557	Peanuts and oilstock.....	23,670	29,600
Tallow—inedible.....	54,757	59,255	Other oilseeds.....	22,089	35,269
Other animal fats and oils.....	7,696	10,723	Protein substances.....	2,259	10,704
Hides and skins, incl. furs.....	171,235	137,248	Vegetable oils.....	21,186	26,698
Cattle hides, whole.....	37,984	54,491	Soybean oil.....	87,394	69,805
Furskins.....	73,624	37,304	Cottonseed oil.....	566	551
Wool and mohair.....	29,923	28,731	Sunflower oil.....	915	3,060
Sausage casings.....	6,781	7,642	Other vegetable oils and waxes.....	15,290	3,948
Bull semen.....	19,547	23,525	Tobacco—unmfg.....	70,623	62,246
Misc. animal products— other.....	51,759	65,921	Cotton, excl. linters.....	589,669	509,106
Corn by-products.....	765,316	675,523	Cotton linters.....	442,308	264,745
Alfalfa meal and cubes.....	1,487	432	Essential oils.....	4,182	7,642
Beet pulp.....	48,436	24,549	Seeds—field and garden.....	48,552	67,990
Citrus pulp pellets.....	78,629	82,531	Seeds—field and garden.....	151,548	138,482
Other feeds and fodders.....	211,761	316,230	Coffee.....	2,286	7,560
Fruits and prep, excluding juice.....	266,259	268,563	Cocoa.....	189	916
Fruits, fresh.....	125,066	127,544	Tea and mate.....	678	3,965
Fruits, fresh, citrus.....	67,271	72,576	Spices.....	5,414	4,718
Grapefruit, fresh.....	62,072	62,407	Flavoring sirups and extract.....	29,983	9,357
Lemons and limes, fresh.....	1,680	2,937	Rubber—crude natural.....	6,188	7,922
Oranges and tanger- ines, fresh.....	3,150	6,399	Fibers excl. cotton.....	148	1,340
Other citrus, fresh.....	369	833	Nursery and greenhouse prod- ucts.....	35,007	45,590
			Beverages excl. juices.....	4,478	9,758
			Other miscellaneous vegetable products.....	37,745	46,441

¹ Fiscal years Oct. 1–Sept. 30.² Preliminary.

Economic Research Service.

Table 688.—U.S. agricultural exports: Value by country of destination, total and specified Government programs, fiscal years 1987–89 ¹

Country	1987			1988			1989		
	Total agricultural exports	Under specified Government financed programs ²	Outside specified Government financed programs ³	Total agricultural exports	Under specified Government financed programs ²	Outside specified Government financed programs ³	Total agricultural exports	Under specified Government financed programs ²	Outside specified Government financed programs ³
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Japan.....	5,553.5	0	5,553.5	7,273.7	0	7,273.7	8,151.9	0	8,151.9
USSR.....	659.1	0	659.1	1,939.6	0	1,939.6	3,298.8	0	3,298.8
Mexico.....	1,214.7	26.0	1,188.7	1,725.8	30.6	1,695.2	2,763.3	28.2	2,735.1
South Korea.....	1,692.8	0	1,692.8	2,258.5	0	2,258.5	2,453.2	0	2,453.2
Canada.....	1,776.0	0	1,776.0	1,972.7	0	1,972.7	2,182.0	0	2,182.0
Netherlands.....	1,953.8	0	1,953.8	2,102.3	0	2,102.3	1,846.7	0	1,846.7
China (Taiwan).....	1,353.7	0	1,353.7	1,576.6	0	1,576.6	1,593.7	0	1,593.7
China (Mainland).....	234.8	0	234.8	612.6	0	612.6	1,496.1	0	1,496.1
Egypt.....	761.3	223.5	537.8	786.2	211.5	574.7	954.7	228.7	726.0
Germany, Fed. Rep. of.....	1,266.5	0	1,266.5	1,315.5	0	1,315.5	917.9	0	917.9
Spain, incl. Canary Is.....	657.7	0	657.7	848.2	0	848.2	875.6	0	875.6
Iraq.....	528.3	0	528.3	735.5	0	735.5	791.1	0	791.1
United Kingdom.....	665.9	0	665.9	818.3	0	818.3	736.3	0	736.3
Italy.....	733.3	0	733.3	713.4	0	713.4	609.2	0	609.2
Pakistan.....	98.2	55.7	42.5	275.5	145.6	129.9	598.8	250.8	348.0
Venezuela.....	459.5	0	459.5	596.8	0	596.8	587.5	0	587.5
Hong Kong.....	435.8	0	435.8	488.2	0	488.2	575.4	0	575.4
Algeria.....	243.9	0	243.9	536.8	0	536.8	548.8	0	548.8
Saudi Arabia.....	489.1	0	489.1	463.8	0	463.8	481.9	0	481.9
France.....	495.3	0	495.3	563.2	0	563.2	474.1	0	474.1
Belgium-Luxembourg.....	423.3	0	423.3	428.9	0	428.9	431.2	0	431.2
Philippines.....	259.1	30.8	228.3	344.9	78.5	266.4	343.6	16.2	327.4
Israel.....	243.8	.1	243.7	334.2	.3	333.9	330.4	.7	329.7
Portugal.....	271.4	0	271.4	339.8	0	339.8	307.4	0	307.4
India.....	93.0	58.9	34.1	354.0	140.1	213.9	242.9	123.8	119.1
Dominican Republic.....	196.5	44.7	151.8	211.6	57.2	154.4	241.3	6.9	234.4
Turkey.....	116.8	0	116.8	120.5	0	120.5	237.8	0	237.8
Indonesia.....	152.5	32.6	119.9	245.5	19.2	226.3	216.0	34.1	181.9
Morocco.....	196.3	51.8	144.5	193.0	57.4	135.6	215.7	62.1	153.6
Bangladesh.....	111.1	82.9	28.2	107.2	65.9	41.3	212.8	90.0	122.8
Ireland.....	130.8	0	130.8	140.9	0	140.9	176.3	0	176.3
Jamaica.....	109.1	32.1	77.0	125.1	38.6	86.5	170.2	40.4	129.8
Thailand.....	107.3	.5	106.8	164.7	2.3	162.4	168.8	.7	168.1
Switzerland.....	144.6	0	144.6	191.0	0	191.0	165.9	0	165.9
Singapore.....	120.9	0	120.9	143.3	0	143.3	158.4	0	158.4
Australia.....	120.1	0	120.1	144.8	0	144.8	155.7	0	155.7
Brazil.....	417.9	9.5	408.4	175.7	2.1	173.6	148.8	1.2	147.6
Bulgaria.....	28.4	0	28.4	98.3	0	98.3	147.5	0	147.5
Sweden.....	114.9	0	114.9	133.6	0	133.6	147.3	0	147.3
Jordan.....	57.5	0	57.5	57.9	.8	57.1	141.7	10.5	131.2
Colombia.....	114.9	0	114.9	178.0	10.5	167.5	139.2	.1	139.1
Ecuador.....	68.0	0	68.0	95.4	9.8	85.6	135.8	1.2	134.6
Haiti.....	100.4	21.6	78.8	94.7	6.6	88.1	116.3	21.4	94.9
Bahamas.....	120.2	0	120.2	114.6	0	114.6	109.6	0	109.6
Sri Lanka.....	42.1	0	42.1	67.3	29.1	38.2	103.4	39.3	64.1
El Salvador.....	84.8	35.6	49.2	108.0	61.1	46.9	99.6	54.1	45.5
Denmark.....	110.6	0	110.6	123.9	0	123.9	97.1	0	97.1
Norway.....	90.8	0	90.8	92.8	0	92.8	96.7	0	96.7
Costa Rica.....	49.5	0	49.5	70.2	5.0	65.2	95.5	15.1	80.4
Greece.....	78.9	0	78.9	141.4	0	141.4	92.8	0	92.8
Other countries.....	2,327.3	430.6	1,896.7	2,636.3	549.7	2,086.6	2,269.4	459.8	1,809.6
Total.....	27,876.0	1,136.9	26,739.1	35,378.7	1,521.9	33,856.8	39,652.1	1,485.3	38,166.8

¹ Fiscal years, Oct. 1–Sept. 30. ² Includes Title I local currency cash and long-term credit sales for dollars and convertible foreign currencies and Title II donations for disaster relief and development through government-to-government, World Food Program, and voluntary relief agencies, under P.L. 83-480 (the Agricultural Trade Development and Assistance Act of 1954, as amended). Also includes shipments under the Foreign Assistance Act of 1961, as amended and beginning 1984, section 416 of the Agricultural Act of 1949, as amended by the Agricultural Programs Act of 1984. ³ "Agricultural exports outside specified Government-financed programs" (sales for dollars) include in addition to unassisted commercial transactions, shipments of some commodities with Governmental assistance in the form of the extension of credit and credit guarantees through the Commodity Credit Corporation.

Economic Research Service.

Table 689.—Agricultural imports for consumption: Value by country of origin, United States, fiscal years 1987-89¹

Country	1987			1988			1989		
	Total	Noncom- petitive ²	Competi- tive ²	Total	Noncom- petitive ²	Competi- tive ²	Total	Noncom- petitive ²	Competi- tive ²
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Canada	2,165.7	148.6	2,017.1	2,370.5	114.1	2,256.4	2,785.0	140.2	2,644.8
Mexico	1,904.5	496.9	1,407.6	1,902.6	362.3	1,540.3	2,092.7	517.9	1,574.8
Brazil	1,770.2	919.9	850.3	1,899.0	974.4	924.6	1,573.6	733.7	839.9
Australia	1,017.7	5.2	1,012.5	1,151.3	6.8	1,144.5	1,024.5	6.9	1,017.6
Indonesia	697.2	662.8	34.4	838.5	772.0	66.5	864.2	802.4	61.8
New Zealand	728.1	36.2	691.9	787.8	38.6	749.2	839.0	46.3	792.7
Colombia	843.4	654.4	189.0	804.0	596.7	207.3	819.7	548.5	271.2
Netherlands	687.0	94.8	592.2	746.8	90.8	656.0	765.0	107.9	657.1
France	704.6	48.0	656.6	733.1	48.0	685.1	728.0	56.1	671.9
Italy	596.4	11.2	585.2	565.6	11.2	554.4	589.3	20.8	568.5
Germany, Fed. Rep.	626.1	171.5	454.6	528.1	121.8	406.3	544.0	110.0	434.0
Denmark	678.3	35.3	643.0	575.1	38.3	536.8	491.5	36.1	455.4
Philippines	398.8	40.8	358.0	440.5	53.0	387.5	464.7	69.7	395.0
Thailand	308.0	126.2	181.8	327.6	125.0	202.6	434.2	146.3	287.9
Malaysia	299.7	197.6	102.1	425.9	281.4	142.5	424.4	276.0	148.4
Ecuador	432.4	427.2	5.2	432.0	420.3	11.7	419.2	401.9	17.3
Spain ³	345.4	20.7	325.7	394.8	34.5	360.3	402.9	20.8	382.1
Chile	283.1	9	282.2	347.7	1.6	345.1	384.4	2.2	382.2
Costa Rica	369.2	257.0	112.2	353.7	227.5	126.2	378.9	241.2	137.7
Argentina	314.3	23.5	290.8	356.3	22.8	333.5	363.3	20.7	342.6
Guatemala	417.7	330.6	87.1	307.1	205.0	102.1	343.9	219.7	124.2
China (Mainland)	240.0	58.1	181.9	262.4	65.5	196.9	318.7	80.8	237.9
Dominican Republic	326.9	148.0	178.9	310.0	136.9	173.1	316.4	95.8	220.6
Honduras	337.9	292.1	45.8	267.4	217.1	50.3	266.6	208.1	58.5
Turkey	244.3	15.4	228.9	230.2	22.1	208.1	225.7	16.0	209.7
India	311.6	132.7	178.9	249.0	115.5	133.5	221.8	75.6	146.2
Japan	224.1	27.8	196.3	238.6	33.2	205.4	216.0	27.4	188.6
United Kingdom	194.7	34.7	160.0	187.1	35.9	151.2	215.4	39.7	175.7
Ivory Coast	295.0	291.0	4.0	317.3	313.6	3.7	195.2	190.1	5.1
Ireland	117.7	12.5	105.2	152.0	14.7	137.3	172.6	12.9	159.7
China (Taiwan)	206.3	9.9	196.4	164.1	8.8	155.3	155.1	8.3	146.8
Poland	145.8	.9	144.9	143.0	.7	142.3	136.8	.5	136.3
El Salvador	160.0	140.1	19.9	167.3	142.9	24.4	130.8	114.7	16.1
Peru	137.3	108.1	29.2	100.9	79.8	21.1	115.1	89.0	26.1
Greece	91.2	4.3	86.9	91.4	2.9	88.5	113.2	2.7	110.5
Belgium/Luxembourg	107.8	26.7	81.1	84.6	26.8	57.8	101.0	30.1	70.9
Switzerland	101.0	21.4	79.6	94.6	25.0	69.6	99.7	26.6	73.1
Sweden	73.0	7.1	65.9	77.6	7.3	70.3	99.0	16.2	82.8
Hong Kong	79.2	9.6	69.6	78.0	6.8	71.2	86.3	12.6	73.7
Liberia	57.5	57.4	.1	70.3	70.1	.2	80.2	80.1	.1
Nigeria	9.6	4.1	5.5	33.1	29.4	3.7	79.5	77.2	2.3
Hungary	70.3	.3	70.0	61.0	.3	60.7	78.1	2.2	75.9
Finland	102.0	9.5	92.5	63.6	5.3	58.3	76.6	8.9	67.7
Yugoslavia	72.1	4.0	68.1	67.8	4.8	63.0	72.3	5.0	67.3
S. Korea	74.4	5.2	69.2	92.1	4.9	87.2	70.2	7.8	62.4
Austria	61.8	1.0	60.8	42.6	1.2	41.4	61.8	5.7	56.1
Israel, incl. Gaza Strip	66.8	5.8	61.0	59.5	5.5	54.0	60.9	6.8	54.1
Singapore	67.6	52.2	15.4	72.1	54.2	17.9	60.5	43.0	17.5
Ethiopia	71.4	59.0	12.4	53.3	40.8	12.5	59.2	48.7	10.5
Portugal	58.3	.5	57.8	62.3	.3	62.0	54.9	.5	54.4
Other countries	955.6	537.4	418.2	835.2	454.7	380.5	804.9	379.9	425.0
Total ⁴	20,649.9	6,786.1	13,863.9	21,014.4	6,473.1	14,541.3	21,476.9	6,238.2	15,238.7

¹ Fiscal years Oct. 1-Sept. 30. ² Competitive agricultural import products consist of all products similar to agricultural commodities produced commercially in the United States, together with all agricultural products interchangeable to any significant extent with such U.S. commodities. Noncompetitive agricultural products include all others, about 90 percent of which consist of rubber, coffee, raw silk, cacao beans, wool for carpets, bananas, tea, spices, and vegetable fibers. ³ Beginning January 1, 1984 includes Canary Islands. ⁴ Totals may not add due to rounding.

Economic Research Service. Compiled from reports of the U.S. Department of Commerce.

Table 690.—European Community: Value of agricultural imports by origin, 1975-89 ⁴

Year ²	United States	EC countries	Other countries	Total
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
1975.....	6,162	24,429	21,527	52,118
1976.....	6,689	25,885	24,454	57,028
1977.....	7,427	29,317	30,278	67,022
1978 ³	8,309	37,809	31,896	77,294
1979.....	9,376	44,218	37,633	91,227
1980.....	10,622	48,270	38,280	97,172
1981.....	9,784	44,197	32,775	86,756
1982.....	8,878	44,679	31,275	84,832
1983.....	7,830	43,557	30,244	81,631
1984.....	6,787	42,953	32,250	81,990
1985.....	5,577	46,018	32,749	84,344
1986 ⁴	7,013	64,302	35,630	106,945
1987.....	7,909	76,421	37,732	121,978
1988.....				
1989.....				

¹ Based on data from the United Nations, Organization for Economic Cooperation and Development, and the European Community. ² Data on calendar year basis. ³ Includes Greece. ⁴ Included Portugal and Spain, 1986-87.

Economic Research Service.

Table 691.—Food acquisition: Expenditures for food items by selected Federal Government agencies,¹ fiscal years 1988-89

Agency	Total expenditures		Agency	Total expenditures	
	1988	1989		1988	1989
	<i>1,000 dollars</i>	<i>1,000 dollars</i>		<i>1,000 dollars</i>	<i>1,000 dollars</i>
Department of Defense:			Department of Agriculture:		
Contractual obligations.....	1,770,000	1,730,000	Commodity Credit Corporation, Dairy price support.....	1,124,612	611,135
Indefinite delivery type contracts (estimate).....	820,000	334,000	Other purchases.....	179,717	391,541
Miscellaneous total (estimate).....	100,000	100,000	Total.....	1,304,329	1,002,676
Total DOD.....	2,690,000	2,164,000			
Department of Veterans Affairs:			Public Law 480 (Food for Peace).....	303,779	597,652
Central procurement.....	52,379	52,329	Agricultural Marketing Service.....	556,400	602,000
Local procurement.....	47,962	48,306	Total USDA.....	2,164,508	2,202,328
Total VA.....	100,341	100,635	Total.....	4,954,849	4,466,963

¹ These comprise the major Federal expenditures for these purposes. A complete accounting is not available. Agricultural Marketing Service.

Table 692.—Fisheries—Landings and value of principal species: 1983-89 ¹

(Preliminary)

Species	Landings						
	1983	1984	1985	1986	1987	1988	1989
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Fish:							
Cod, Atlantic.....	112	97	83	61	59	76	78
Flounder.....	254	220	196	169	200	229	202
Haddock.....	33	26	14	11	7	6	4
Halibut.....	45	48	61	78	76	82	75
Herring, sea.....	180	179	199	210	207	222	209
Jack mackerel.....	40	23	21	24	27	23	28
Menhaden.....	2,963	2,891	2,739	2,391	2,712	2,086	1,989
Ocean perch, Atlantic.....	13	12	10	6	4	14	1
Pollock.....	84	64	136	185	598	1,290	2,385
Salmon, Pacific.....	639	691	727	659	562	606	986
Tuna.....	279	212	83	88	100	111	89
Whiting.....	37	46	45	40	35	36	39
Shellfish:							
Clams (meats).....	115	133	151	145	134	132	138
Crabs.....	317	313	333	356	386	456	485
Lobsters, American.....	44	44	46	46	46	49	53
Oysters (meats).....	50	48	44	41	40	32	30
Scallops (meats).....	32	59	30	22	41	43	41
Shrimp.....	250	302	334	400	363	331	352

Species	Value						
	1983	1984	1985	1986	1987	1988	1989
	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
Fish:							
Cod, Atlantic.....	38	36	35	36	44	43	48
Flounder.....	116	124	129	125	145	140	120
Haddock.....	19	18	14	11	9	7	5
Halibut.....	41	25	38	83	88	73	85
Herring, sea.....	44	26	50	49	52	63	29
Jack mackerel.....	3	2	2	2	2	2	2
Menhaden.....	119	117	101	94	104	106	84
Ocean perch, Atlantic.....	3	4	3	3	3	4	1
Pollock.....	6	9	12	21	64	106	197
Salmon, Pacific.....	351	392	440	494	596	911	591
Tuna.....	143	118	53	55	96	121	104
Whiting.....	7	7	8	8	12	9	9
Shellfish:							
Clams (meats).....	96	116	128	135	133	135	135
Crabs.....	223	187	203	270	322	384	414
Lobsters, American.....	107	114	115	121	134	145	149
Oysters (meats).....	67	81	70	78	92	78	84
Scallops (meats).....	136	128	93	107	144	144	140
Shrimp.....	504	488	473	663	578	506	468

¹ Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 693.—Fresh and frozen fishery products—Production and value: 1983-89 ¹

[1989 is preliminary]

Product	Production						
	1983	1984	1985	1986	1987	1988	1989
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Fish fillets and steaks ²	231	252	246	280	356	378	390
Cod.....	51	70	57	77	78	62	74
Flounder.....	81	79	69	64	58	53	44
Haddock.....	12	9	8	8	9	8	7
Ocean perch, Atlantic.....	4	3	2	3	3	2	2
Rockfish.....	17	18	18	17	18	36	26
Pollock, Atlantic.....	11	11	15	16	18	14	11
Pollock, Alaska.....	n.a.	4	11	24	75	110	181
Other.....	55	58	66	71	97	93	95

Product	Value						
	1983	1984	1985	1986	1987	1988	1989
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Fish fillets and steaks ²	362	410	440	56	753	767	737
Cod.....	68	97	90	142	165	137	132
Flounder.....	138	159	157	169	168	163	142
Haddock.....	22	19	19	25	32	30	25
Ocean perch, Atlantic.....	6	3	3	6	6	5	3
Rockfish.....	22	23	25	24	27	57	43
Pollock, Atlantic.....	12	11	17	21	30	21	18
Pollock, Alaska.....	n.a.	4	24	25	82	110	115
Other.....	94	94	106	152	243	244	259

¹ Excludes Alaska and Hawaii, except frozen products includes Alaska and Hawaii. ² Fresh and frozen.³ Included with other.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 694.—Canned fishery products—Production and value: 1981-89 ¹

[1989 is preliminary]

Product	Production								
	1981	1982	1983	1984	1985	1986	1987	1988	1989
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Total ²	1,476	1,283	1,391	1,411	1,161	1,332	1,186	1,131	1,455
Tuna.....	627	539	591	614	545	637	654	598	686
Salmon.....	215	112	181	200	159	142	105	88	197
Clam products.....	88	99	102	114	117	116	117	127	135
Jack mackerel ³	36	39	46	31	15	17	15	18	13
Sardines, Maine.....	31	18	13	15	20	16	13	19	13
Shrimp.....	10	6	7	7	4	5	4	4	3
Crabs.....	2	1	1	1	1	1	(⁵)	(⁵)	1
Squid.....	9	8	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.
Oysters ⁴	(⁵)	1	1	(⁵)	2	3	4	3	4

Product	Value								
	1981	1982	1983	1984	1985	1986	1987	1988	1989
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Total ²	1,954	1,457	1,534	1,578	1,360	1,485	1,562	1,481	1,992
Tuna.....	1,180	918	859	872	821	882	1,016	960	1,058
Salmon.....	380	174	308	322	223	265	262	219	514
Clam products.....	72	85	86	95	109	118	88	98	91
Jack mackerel ³	12	15	17	13	7	6	6	9	7
Sardines, Maine.....	55	28	20	25	38	28	22	24	17
Shrimp.....	60	35	41	36	19	22	22	25	9
Crabs.....	7	6	6	5	2	2	1	2	3
Squid.....	3	3	n.a.	n.a.	1	n.a.	n.a.	n.a.	n.a.
Oysters ⁴	1	2	2	5	2	4	2	2	1

¹ Natural pack only. ² Includes other products not shown separately. ³ Includes small amount of Pacific mackerel. ⁴ Includes oyster specialties. ⁵ Less than 500,000 pounds or \$500,000. n.a. not available.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 695.—Fisheries—Fishermen and craft, 1977, and catch, 1984–89, by area

[1984–89 are preliminary]

Area	1977 ¹			1984		1985	
	Fisher- men	Fishing vessels	Fishing boats ²	Total catch	Value	Total catch	Value
	1,000	Number	1,000	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	182.1	17,545	89.2	6,438	2,350	6,258	2,326
New England States.....	31.7	929	15.4	694	434	590	419
Middle Atlantic States.....	17.3	573	11.3	153	109	151	101
Chesapeake Bay States.....	27.9	2,086	19.0	663	138	815	124
South Atlantic States.....	11.6	1,463	6.7	402	150	311	156
Gulf States.....	29.3	5,328	11.0	2,644	656	2,412	597
Pacific Coast States.....	54.0	7,643	15.4	1,701	795	1,816	863
Great Lakes States.....	1.2	217	.5	61	14	54	15
Hawaii.....	2.7	101	1.3	35	29	17	22
Other ³	11.3	.....	9.9	85	25	92	29

Area	1986		1987		1988		1989	
	Total catch	Value	Total catch	Value	Total catch	Value	Total catch	Value
	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.	Mil. lb.	Mil. dol.
United States.....	6,031	2,763	6,896	3,115	7,193	3,520	8,463	3,238
New England States.....	563	449	545	512	570	494	565	509
Middle Atlantic States.....	156	114	163	128	156	129	172	133
Chesapeake Bay States.....	617	131	791	160	730	148	777	152
South Atlantic States.....	249	155	235	150	280	174	256	169
Gulf States.....	2,368	781	2,501	720	1,937	708	1,789	649
Pacific Coast States.....	1,923	1,065	2,493	1,360	3,457	1,808	4,840	1,560
Great Lakes States.....	48	14	42	17	40	19	38	20
Hawaii.....	11	20	16	29	21	40	24	47
Other ³	96	34	110	39	.....	.....	.....	.....

¹ Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total. ² Refers to craft having capacity of less than 5 net tons. ³ Mississippi River and other areas.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 696.—Fisheries: Quantity and value of domestic catch, 1975–89

[1980–89 are preliminary]

Year	Quantity ¹			Ex- vessel value	Aver- age price per lb.	Year	Quantity ¹			Ex- vessel value	Aver- age price per lb.
	Total	For human food	For indus- trial prod- ucts ²				Total	For human food	For indus- trial prod- ucts ²		
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. dol.	Cents		Mil. lb.	Mil. lb.	Mil. lb.	Mil. dol.	Cents
1975.....	4,877	2,465	2,412	977	20.0	1983.....	6,439	3,238	*3,201	2,355	36.6
1976.....	5,388	2,775	2,613	1,349	25.0	1984.....	6,438	3,320	3,118	2,350	36.5
1977.....	5,271	2,952	2,319	1,554	29.5	1985.....	6,258	3,294	2,964	2,326	37.2
1978.....	5,271	3,177	2,851	1,854	30.7	1986.....	6,031	3,393	2,638	2,763	45.8
1979.....	6,267	3,318	2,949	2,234	35.6	1987.....	6,896	3,946	2,950	3,115	45.2
1980.....	6,482	3,654	2,828	2,237	34.5	1988.....	7,192	4,588	2,604	3,520	48.9
1981.....	5,977	3,547	2,430	2,388	40.0	1989.....	*8,463	*6,204	2,259	3,238	38.3
1982.....	6,367	3,285	3,082	2,390	37.5						

¹ Live weight. ² Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

*Record.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 697.—Fishery products—Supply: 1980-89 ¹

[1980-89 are preliminary]

Item	1980	1981	1982	1983	1984
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Total	11,357	11,353	12,011	12,252	12,552
For human food	8,006	8,267	7,968	8,413	8,498
Finfish	6,139	6,316	6,090	6,358	6,303
Shellfish ²	1,867	1,951	1,878	2,055	2,195
For industrial use	3,351	3,086	4,043	3,939	4,054
Domestic catch	6,482	5,977	6,367	6,439	6,453
Percent of total	57.1	52.7	53.0	52.1	51.3
For human food	3,654	3,547	3,285	3,238	3,320
Finfish	2,516	2,414	2,324	2,351	2,348
Shellfish ²	1,138	1,133	961	887	972
For industrial use	2,828	2,430	3,082	3,201	3,118
Imports ³	4,875	5,376	5,644	5,913	6,114
Percent of total	42.9	47.8	47.0	47.9	48.7
For human food	4,352	4,720	4,683	5,175	5,178
Finfish	3,623	3,902	3,766	4,007	3,955
Shellfish ²	729	818	917	1,168	1,223
For industrial use ⁴	523	656	961	738	936

Item	1985	1986	1987	1988	1989
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Total	15,150	14,368	15,744	14,628	15,485
For human food	9,337	9,620	10,561	10,505	12,268
Finfish	6,991	7,087	7,919	7,786	9,735
Shellfish ²	2,346	2,533	2,642	2,719	2,533
For industrial use	5,813	4,748	5,183	4,123	3,217
Domestic catch	6,258	6,031	6,896	7,192	8,463
Percent of total	41.3	42.0	43.8	49.2	54.7
For human food	3,294	3,393	3,946	4,588	6,204
Finfish	2,273	2,240	2,769	3,306	4,897
Shellfish ²	1,021	1,153	1,177	1,282	1,307
For industrial use	2,964	2,638	2,950	2,604	2,259
Imports ³	8,892	8,337	8,848	7,436	7,022
Percent of total	58.7	58.0	56.2	50.8	45.3
For human food	6,043	6,227	6,615	5,917	6,064
Finfish	4,718	4,847	5,150	4,480	4,843
Shellfish ²	1,325	1,380	1,465	1,437	1,226
For industrial use ⁴	2,849	2,110	2,233	1,519	958

¹ Live weight, except percent. ² For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. ³ Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. ⁴ Fish meal and sea herring.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 698.—Fisheries: Disposition of domestic catch, 1979-89

[1980-89 are preliminary]

Disposition	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>	<i>Mil. lbs.</i>
Fresh and frozen ..	2,394	2,621	2,547	2,550	2,304	2,336	2,725	2,487	3,157	3,813	5,209
Canned	1,046	1,161	1,118	891	1,087	1,128	749	1,134	1,009	1,017	1,244
Cured	94	96	90	85	80	82	70	60	89	86	58
Reduced to meal, oil, etc.	2,733	2,604	2,222	2,841	2,968	2,892	2,714	2,350	2,641	2,276	1,952
Total	6,267	6,482	5,977	6,367	6,258	6,438	6,258	6,031	6,896	7,192	8,463

¹ Live weight catch. In addition to whole fish, a large portion of waste (400-500 mil. lb.) derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown.

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 699.—Processed fishery products—Production and value, 1982-89

Item	Production							
	1982	1983	1984	1985	1986	1987	1988	Preliminary 1989
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Total ¹	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Fresh and frozen ³	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Fillets.....	210	217	241	232	266	338	362	364
Steaks.....	7	13	11	13	14	18	22	25
Fish sticks.....	91	87	92	96	87	99	80	89
Fish portions.....	304	335	333	330	342	324	287	280
Breaded shrimp.....	94	100	95	95	108	109	80	121
Canned products ⁴	1,283	1,391	1,411	1,161	1,332	1,186	1,130	1,455
Fish and shellfish.....	376	987	1,042	913	1,011	965	907	1,110
Animal feed.....	407	404	369	248	321	221	223	345
Industrial products.....	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Meal and scrap.....	747	764	752	722	702	787	644	618
Oil (body and liver).....	348	399	373	285	337	298	225	225
Solubles.....	305	317	252	323	195	249	223	233
Other.....	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)

Item	Value							
	1982	1983	1984	1985	1986	1987	1988	Preliminary 1989
	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Total ¹	4,509	5,071	5,211	4,936	5,263	5,951	5,369	.....
Fresh and frozen ³	2,670	3,124	3,234	3,242	3,481	4,041	3,562	.....
Fillets.....	331	327	384	408	527	696	707	656
Steaks.....	20	35	27	32	37	58	70	81
Fish sticks.....	106	116	110	111	94	143	114	116
Fish portions.....	386	411	414	368	394	446	400	400
Breaded shrimp.....	338	386	369	355	358	372	245	404
Canned products ⁴	1,457	1,534	1,577	1,360	1,485	1,562	1,478	1,992
Fish and shellfish.....	1,325	1,394	1,436	1,269	1,395	1,476	1,385	1,754
Animal feed.....	132	140	141	91	100	85	93	238
Industrial products.....	234	252	234	182	175	212	236	206
Meal and scrap.....	123	130	113	84	83	121	131	115
Oil (body and liver).....	54	67	61	42	44	36	44	24
Solubles.....	16	16	15	19	12	17	15	18
Other.....	41	39	45	37	36	38	47	50

¹ Includes cured fish. ² Not applicable. ³ Includes items not shown i.e. dressed fish, shellfish not breaded, specialties. ⁴ Includes salmon eggs for baits.

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 700.—Selected fishery products—Imports and exports: 1982–89 ¹

Product	Quantity								Value							
	1982	1983	1984	1985	1986	1987	1988	1989	1982	1983	1984	1985	1986	1987	1988	1989
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.
Edible	2,225.0	2,386.8	2,454.3	2,754.0	2,978.9	3,201.1	2,967.8	3,243.0	2,202.4	3,626.7	3,742.3	4,064.3	4,813.5	5,711.2	5,441.6	5,497.8
Fresh or frozen	1,921.3	2,051.5	2,057.1	2,229.0	2,423.7	2,661.6	2,473.2	2,627.4	2,806.2	3,211.9	3,281.3	3,461.6	4,150.0	5,021.9	4,779.5	4,720.9
Salmon ²	10.4	14.4	21.1	27.0	40.5	41.9	50.1	98.8	22.1	33.4	56.5	75.6	100.7	113.0	155.2	228.9
Tuna	558.5	505.2	604.2	478.8	563.8	573.5	550.1	649.7	360.7	640.0	615.3	266.3	236.3	330.8	372.3	401.7
Groundfish filets, blocks ²	614.2	682.6	824.0	639.8	651.0	630.4	500.8	484.4	631.1	655.3	790.6	1,009.5	759.4	1,003.5	765.0	702.7
Other filets and steaks	15.7	34.5	165.7	23.0	251.0	394.2	320.1	282.6	73.0	188.0	238.3	333.7	416.1	631.0	533.0	490.3
Scallops (meats)	20.9	34.3	27.3	72.0	79.3	80.9	32.0	40.9	18.7	158.7	117.3	147.1	132.6	162.3	113.7	139.0
Lobster, American and spiny	54.4	63.8	73.4	77.4	79.3	80.9	77.5	72.1	315.6	364.0	435.7	464.9	464.9	575.9	546.7	453.3
Shrimp and prawn	268.5	328.3	328.9	342.8	384.3	461.2	489.7	491.6	970.0	1,198.0	1,189.9	1,120.7	1,404.9	1,676.8	1,726.0	1,684.8
Canned	224.5	257.6	316.4	414.4	438.8	428.7	424.4	532.1	308.7	330.4	372.9	465.8	500.4	515.9	550.9	639.2
Sardines, in oil	14.1	17.2	17.5	23.0	23.9	27.4	22.8	21.8	19.1	21.2	23.4	27.0	28.5	35.1	30.8	29.8
Sardines and herring, not in oil	41.3	23.7	31.5	39.8	36.0	43.3	37.1	40.1	30.5	21.5	24.8	30.3	30.4	34.2	33.4	33.4
Tuna	87.6	122.3	162.3	213.9	236.6	211.7	244.5	348.2	113.3	137.3	167.3	209.1	228.6	206.9	298.7	375.9
Oysters	22.4	21.6	23.0	28.9	32.1	32.7	27.3	20.4	26.5	24.8	26.2	30.2	32.3	36.1	39.7	36.9
Pickled or salted	64.3	60.9	61.1	57.1	61.4	57.4	55.8	50.5	62.5	56.1	55.5	53.4	62.2	74.6	66.9	54.5
Cod, haddock, hake, pollock, cusk	40.8	37.7	38.0	34.7	36.9	31.9	31.4	16.6	48.6	42.9	42.3	41.2	49.5	60.5	52.7	25.4
Nonedible scrap and metal	168.7	135.9	166.9	510.7	370.0	393.7	265.3	171.1	25.7	21.8	26.5	61.7	47.2	52.5	49.6	31.7
Exports																
Canned salmon	41.2	54.5	49.0	48.2	59.4	35.9	32.9	40.4	65.9	97.0	86.8	83.1	101.2	85.8	91.6	89.7
Fish oil, nonedible	202.3	404.1	399.4	279.1	192.2	249.1	149.3	194.8	35.7	59.8	71.0	36.8	20.8	23.3	21.9	20.2

¹ Includes Puerto Rico.² Excludes filets.³ Includes cod, cusk, haddock, hake, pollock, Atlantic ocean perch, and whiting.

U.S. Dept. of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 701.—Fishery products: Imports and exports, 1975-89 ¹

Year	Imports ²				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. lb.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>
1975.....	1,637	1,913	1,367	270	305	218	267	37
1976.....	2,328	2,228	1,914	414	385	241	330	55
1977.....	2,634	2,176	2,078	555	520	331	473	47
1978.....	3,086	2,411	2,256	830	906	448	832	74
1979.....	3,809	2,359	2,672	1,137	1,084	554	1,022	62
1980.....	3,648	2,145	2,687	962	1,006	574	904	102
1981.....	4,206	2,272	3,034	1,172	1,157	669	1,073	84
1982.....	4,523	2,225	3,202	1,321	1,059	657	999	60
1983.....	5,129	2,387	3,627	1,502	1,021	602	908	114
1984.....	5,883	2,454	3,742	2,141	949	574	842	106
1985.....	6,679	2,754	4,064	2,614	1,084	648	1,010	73
1986.....	7,626	2,979	4,813	2,813	1,356	735	1,290	66
1987.....	8,817	3,201	5,711	3,106	1,660	783	1,577	83
1988.....	8,872	2,971	5,459	3,413	2,275	1,064	2,162	113
1989 ³	*9,604	*3,243	*5,498	*4,107	*4,707	*1,374	*2,283	*2,424

¹ Includes Puerto Rico. ² Includes landings of tuna by foreign vessels in American Samoa. ³ Preliminary. *Record.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 702.—Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1986-89

Subregion	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic.....	8,333	6,293	7,696	5,433
Mid-Atlantic.....	20,561	16,332	19,744	12,989
South Atlantic.....	14,783	17,063	19,594	15,469
Gulf.....	17,897	15,767	19,064	13,678
Total ¹	61,574	55,455	66,099	47,569
Pacific: ²				
Southern California.....	6,119	5,187	5,996	4,645
Northern California.....	2,757	2,417	3,939	2,410
Oregon.....	960	980	1,015	859
Washington.....	1,193	1,392	1,462	1,532
Total ¹	11,029	9,976	12,413	9,445
Grand total ¹	72,603	65,431	78,512	57,014

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon fishing trips.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 703.—Estimated number of fish caught by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 1986–89

Subregion	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
North Atlantic.....	56,654	36,218	31,605	26,051
Mid-Atlantic.....	163,670	108,281	103,473	69,527
South Atlantic.....	59,047	49,092	56,948	44,826
Gulf.....	131,865	94,517	131,910	99,466
Total ¹	411,235	288,108	323,935	239,870
Pacific: ²				
Southern California.....	35,334	30,772	28,878	23,027
Northern California.....	11,227	9,040	13,390	8,494
Oregon.....	1,754	2,032	2,373	3,036
Washington.....	6,998	4,320	6,573	6,735
Total ¹	55,312	46,163	51,214	41,292
Grand total ¹	466,547	334,271	375,149	281,162

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 704.—Estimated number of fish caught by marine recreational fishermen by mode and year, Atlantic, Gulf, and Pacific Coasts, 1986–89

Mode	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
Shore.....	100,280	63,609	71,338	59,919
Party/charter.....	54,886	24,125	22,199	21,841
Private/rental.....	256,069	200,374	230,398	158,110
Total ¹	411,235	288,108	323,935	239,870
Pacific: ²				
Shore.....	14,983	10,722	13,776	13,603
Party/charter.....	16,407	8,677	11,886	9,328
Private/rental.....	23,922	26,764	25,551	18,361
Total ¹	55,312	46,163	51,214	41,292
Grand total ¹	466,547	334,271	375,149	281,162

¹ Totals may not add due to rounding. ² Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 705.—Estimated number of fish caught by marine recreational fishermen by species group and year, Atlantic and Gulf coasts, 1986–89

Species group	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Sharks, other	2,322	1,711	1,952	1,013
Sharks, dogfish	2,172	1,595	2,019	1,626
Skates/rays	1,659	1,774	2,505	1,672
Eels	410	207	332	212
Herrings	11,002	8,037	12,641	13,893
Freshwater catfishes	1,727	1,047	1,004	1,069
Saltwater catfishes	18,368	11,234	21,614	10,454
Toadfishes	3,464	3,285	2,937	3,236
Atlantic cod	1,549	2,009	2,991	2,463
Pollock	446	664	1,422	2,670
Red hake	767	1,138	1,351	1,384
Codfishes/hakes, other	692	296	1,651	369
Searobins	11,858	5,071	5,899	2,947
Sculpins	323	53	(¹)	280
White perch	4,125	2,316	2,352	2,436
Striped bass	1,429	768	895	1,347
Black sea bass	34,739	10,360	19,185	13,503
Groupers	2,383	2,686	2,932	3,798
Sea basses, other	1,300	2,638	3,737	3,531
Bluefish	32,667	28,664	17,652	18,564
Creville jack	3,328	1,100	1,440	1,416
Blue runner	3,358	1,813	2,351	1,732
Greater amberjack	442	500	326	849
Florida pompano	2,099	301	324	379
Jacks, other	2,710	1,822	2,516	1,407
Dolphins	1,254	1,424	1,758	2,752
Gray snapper	2,090	2,009	1,849	2,912
Red snapper	855	729	1,020	1,073
Lane snapper	218	499	639	779
Vermilion snapper	359	426	818	864
Yellowtail snapper	580	1,169	759	1,345
Snappers, other	334	1,086	555	209
Pigfish	1,453	1,804	3,114	2,150
White grunt	1,690	3,521	3,062	3,142
Grunts, other	3,320	5,100	5,017	3,375
Scup	32,361	12,912	9,345	11,519
Pinfish	9,882	9,707	14,012	10,593
Sheepshead	2,722	2,961	4,585	3,271
Red porgy	269	209	690	217
Porgies, other	225	365	227	415
Spotted seatrout	23,592	21,174	22,778	18,032
Weakfish	12,322	6,946	8,770	1,880
Sand seatrout	6,404	3,913	2,722	2,772
Silver perch	465	630	814	689
Spot	21,640	15,187	12,647	16,295
Kingfishes	8,029	3,193	5,062	2,871
Atlantic croaker	33,989	21,031	21,005	10,280
Black drum	1,867	1,716	1,586	643
Red drum	4,123	6,131	5,770	3,738
Drums, other	1,554	2,560	2,591	780
Mullets	6,341	2,677	6,160	5,009
Barracudas	477	501	435	418
Tautog	9,186	4,895	5,181	3,709
Cunner	2,703	2,643	2,345	2,846
Little tunny/Atl. bonito	1,795	966	2,423	1,187
Atlantic mackerel	5,879	7,730	6,867	4,857
King mackerel	753	800	948	811
Spanish mackerel	8,987	2,537	4,338	2,764
Tunas/mackerels, other	927	865	951	634
Summer flounder	24,183	21,850	20,820	2,727
Gulf flounder	502	553	390	282
Southern flounder	3,021	708	1,416	975
Winter flounder	10,428	13,039	14,322	8,469
Flounders, other	2,422	631	1,441	535
Triggerfishes/filefishes	452	609	997	1,531
Puffers	1,000	563	1,646	1,323
Other fishes	15,263	8,372	10,021	8,950
Total ²	411,235	288,108	323,935	239,870

¹ Less than 30 thousand reported. Data have been included in totals. ² Totals may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 706.—Estimated number of fish caught by marine recreational fishermen by species group and year, Pacific coast, ¹ 1986-89

Species group	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Spiny dogfish	577	978	1,385	855
Sharks, other	903	1,395	1,217	947
Sturgeons	92	169	373	41
Pacific herring	482	351	442	1,039
Northern anchovy	40	(²)	139	821
Surf smelt	5,345	1,390	1,616	3,442
Smelts, other	578	53	53	(²)
Pacific cod	186	238	175	38
Pacific tomcod	68	201	148	(²)
Walleye pollock	158	564	357	(²)
Pacific hake	104	87	310	70
Silversides	239	252	277	172
Jacksmelt	356	705	935	719
Striped bass	75	174	228	96
Kelp bass	4,502	2,317	2,163	1,491
Spotted sand bass	604	444	544	108
Barred sand bass	2,270	2,592	4,222	2,285
Sea basses, other	1,141	1,522	83	53
Yellowtail	(²)	54	(²)	(²)
White croaker	2,855	1,849	3,319	2,989
California corbina	60	75	(²)	31
Queenfish	551	420	679	248
Croakers, other	312	286	230	132
Opaleye	113	233	209	70
Halfmoon	291	109	304	99
Shiner perch	388	260	580	417
Striped seaperch	200	257	323	189
Black perch	67	54	87	71
Walleye surfperch	261	272	438	191
Silver surfperch	150	92	92	61
White seaperch	94	159	211	97
Pile perch	432	141	197	135
Redtail surfperch	224	134	207	49
Barred surfperch	716	229	269	154
Surfperches, other	771	412	510	638
Pacific barracuda	1,160	1,379	852	729
California sheephead	204	99	130	55
Pacific bonito	3,970	3,098	920	1,002
Chub mackerel	7,165	8,161	5,495	4,596
Tunas	67	(²)	(²)	(²)
Brown rockfish	392	318	562	301
Copper rockfish	337	286	581	398
Widow rockfish	165	55	112	93
Yellowtail rockfish	534	387	482	(²)
Chillipepper rockfish	552	174	768	594
Quillback rockfish	95	205	332	249
Black rockfish	902	961	1,086	880
Blue rockfish	945	1,222	1,208	912
Bocaccio	868	282	1,499	377
Canary rockfish	426	321	380	250
Greenspotted rockfish	327	55	106	122
Olive rockfish	263	216	194	139
Gopher rockfish	511	385	251	212
California scorpionfish	307	296	722	1,107
Rockfishes, other	3,566	2,933	3,968	3,474
Sablefish	52	(²)	55	(²)
Kelp greenling	231	378	323	262
Lingcod	536	570	648	496
Greenlings, other	117	79	85	104
Cabezon	231	187	173	128
Sculpins, other	1,964	1,213	1,742	1,044
Sanddabs	605	248	812	603
California halibut	1,349	1,579	1,653	1,566
Rock sole	62	75	244	124
Starry flounder	59	115	79	43
Flatfishes, other	251	449	402	377
Other fishes	1,880	1,976	2,968	3,252
Total ³	55,312	46,163	51,214	41,292

¹ Does not include salmon data collected by State surveys. ² Less than 30 thousand reported. Data have been included in totals. ³ Total may not add due to rounding.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 707.—Estimated number of fish caught by marine recreational fishermen by area of fishing and year, Atlantic, Gulf, and Pacific coasts, 1986–89

Area	1986	1987	1988	1989
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Atlantic and Gulf:				
Ocean 3 miles or less	120,101	80,067	64,672	42,959
Ocean over 3 miles	50,144	37,458	36,171	24,213
Ocean 10 miles or less ¹	53,110	41,832	41,444	36,148
Ocean over 10 miles ¹	6,800	9,217	15,123	13,974
Inland	167,991	119,534	162,205	122,577
Undefined ²	13,090	0	4,320	0
Total ³	411,235	288,108	323,935	239,870
Pacific: ⁴				
Ocean 3 miles or less	30,967	27,290	25,121	23,664
Ocean over 3 miles	10,156	9,276	10,722	5,561
Inland	13,656	9,423	12,993	12,067
Undefined ²	533	175	2,378	0
Total ³	55,312	46,163	51,214	41,292
Grand total ³	466,547	334,271	375,149	281,162

¹ This category refers only to the Florida Gulf coast where State jurisdiction extends to 3 marine leagues, approximately 10 nautical miles. ² This category includes "Missing data" on area and local variation in marine geographic terminology which sometimes prevented interviewers from determining acceptable answers to questions on "Distance from shore." ³ Totals may not add due to rounding. ⁴ Pacific estimates do not include salmon data collected by State recreational fishing surveys.

U.S. Department of Commerce, U.S. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Fisheries Statistics Division.

Table 708.—Refrigerated warehouses: Total gross space Oct. 1, by type of plant, United States, biennially, 1957–89 ¹

Year	Public cold storage only	Private and semiprivate cold storage	Meat-packing establishments	Total all types ²
	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>	<i>1,000 cu. ft.</i>
1957.....	545,061	294,174	62,162	901,397
1959.....	569,199	325,313	50,872	945,384
1961.....	595,463	379,355	51,985	1,026,803
1963.....	633,447	428,250	50,372	1,112,069
1965.....	683,972	473,515	45,903	1,203,390
1967.....	734,804	517,468	41,833	1,294,105
1969.....	762,203	554,611	35,932	1,352,746
1971.....	774,263	652,714	28,272	1,426,977
1973.....	828,691	686,477	(³)	1,515,168
1975.....	875,292	754,772	.....	1,630,064
1977.....	893,539	784,943	.....	1,678,532
1979.....	940,005	912,460	.....	1,852,464
1981.....	983,093	941,881	.....	1,924,973
1983.....	1,047,171	1,019,459	.....	2,066,630
1985.....	1,129,777	1,055,900	.....	2,185,677
1987.....	1,305,610	1,170,773	.....	2,476,384
1989.....	1,413,846	1,157,552	.....	2,571,397

¹ Warehouse space is defined as all space artificially cooled to temperatures of 50° F. or less, in which food commodities are held for 30 days or longer. ² Totals may not add due to rounding. ³ Included in "Private and semiprivate cold storage," beginning 1973.

National Agricultural Statistics Service.

Table 709.—Refrigerated warehouses: Total gross space, by States, Oct. 1, 1989 ¹

State	Gross space 1,000 cu. ft.	State	Gross space 1,000 cu. ft.	State	Gross space 1,000 cu. ft.	State	Gross space 1,000 cu. ft.
AL.....	10,441	IN.....	32,721	NE.....	23,155	SC.....	13,000
AK.....	1,138	IA.....	44,808	NV.....		SD.....	4,813
AZ.....	8,424	KS.....	57,268	NH.....		TN.....	31,440
AR.....	21,236	KY.....		NJ.....	59,221	TX.....	103,762
CA.....	290,057	LA.....	8,563	NM.....	1,128	UT.....	25,216
CO.....	11,829	ME.....	20,556	NY.....	123,580	VT.....	3,696
CT.....	6,699	MD and DC.....	17,752	NC.....	26,409	VA.....	62,891
DE.....	14,016	MA.....	49,693	ND.....	4,129	WA.....	467,864
FL.....	144,054	MI.....	88,889	OH.....	52,504	WV.....	9,993
GA.....	82,376	MN.....	46,231	OK.....	7,095	WI.....	107,926
HI.....	4,636	MS.....	2,501	OR.....	132,010	WY.....	
ID.....	43,999	MO.....		PA.....	96,085	Other States.....	116,067
IL.....	89,183	MT.....		RI.....	2,346	US.....	2,571,897

¹ Only those States having 3 or more warehouses are listed separately. ² Totals may not add due to rounding.
National Agricultural Statistics Service.

Table 710.—Alaska crops: Acreage harvested, 1975–89

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables ¹
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
1975.....	400	1,500	3,600	10,800	1,000	1,800	530	165
1976.....	300	1,300	3,300	10,400	1,000	1,500	510	175
1977.....	400	2,600	2,100	10,200	1,000	1,400	520	162
1978.....	600	4,000	2,300	9,900	900	1,500	450	198
1979.....	300	5,800	1,000	9,800	700	1,700	460	220
1980.....	600	11,500	2,400	10,400	1,900	1,700	460	227
1981.....	500	8,500	3,200	11,200	1,400	1,600	500	273
1982.....	600	7,500	2,200	10,900	700	1,100	480	306
1983.....	600	11,900	2,800	12,900	1,000	1,000	520	287
1984.....	1,700	15,000	3,000	12,600	4,600	1,200	550	301
1985.....	200	10,700	1,500	12,200	6,300	1,000	580	303
1986.....	300	7,000	1,600	12,800	5,200	1,900	550	278
1987.....	800	5,300	1,800	14,700	3,800	2,000	750	297
1988.....	600	4,700	700	15,200	1,900	1,500	800	283
1989 ²	700	4,700	400	12,300	500	1,900	840	254

¹ Excludes greenhouse-grown vegetables. ² Preliminary.
National Agricultural Statistics Service.

Table 711.—Alaska crops: Volume harvested, 1975-89

Year	Oats for grain	Barley for grain	Grain hay	Grass hay	Grain silage	Grass silage	Potatoes	Other vegetables ¹
	<i>Bushels</i>	<i>Bushels</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Cwt.</i>	<i>Cwt.</i>
1975.....	16,800	70,000	7,100	14,300	4,800	10,400	108,700	16,300
1976.....	12,000	67,000	6,100	12,500	4,500	6,700	91,000	18,800
1977.....	19,600	126,000	3,500	17,100	3,900	7,700	115,000	19,300
1978.....	28,800	150,000	4,700	15,700	5,300	6,800	81,000	19,900
1979.....	15,600	287,000	1,600	14,200	4,200	8,200	85,000	22,700
1980.....	26,100	339,000	2,700	12,300	4,700	7,700	77,000	23,200
1981.....	21,700	251,000	5,500	14,700	6,100	6,700	95,000	23,480
1982.....	31,200	315,000	2,500	11,800	4,700	5,300	102,000	29,857
1983.....	37,500	369,000	4,600	17,100	5,800	8,000	118,000	30,467
1984.....	112,200	525,000	4,400	19,000	14,700	6,600	120,000	31,923
1985.....	7,000	278,000	1,700	15,600	25,200	5,000	124,000	31,337
1986.....	13,200	207,000	1,800	15,200	18,500	7,600	124,000	31,436
1987.....	41,000	220,000	2,200	18,100	18,100	11,400	148,000	30,891
1988.....	36,600	228,000	1,400	23,300	6,100	6,700	202,000	29,787
1989 ²	55,700	249,000	800	15,700	3,400	5,300	196,000	30,960

¹ Excludes greenhouse-grown vegetables. ² Preliminary.
National Agricultural Statistics Service.

Table 712.—Alaska crops: Value of production, 1975-89

Year	Oats for grain	Barley for grain	All hay	All silage	Potatoes	Other vegetables ¹
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1975.....	44,000	287,000	2,782,000	532,000	1,304,000	390,000
1976.....	30,000	261,000	2,325,000	391,000	1,092,000	447,000
1977.....	51,000	479,000	2,781,000	433,000	1,323,000	439,000
1978.....	79,000	570,000	2,652,000	457,000	932,000	539,000
1979.....	41,000	861,000	2,054,000	477,000	1,046,000	571,000
1980.....	81,000	1,017,000	2,100,000	484,000	1,563,000	616,000
1981.....	65,000	1,029,000	3,232,000	499,000	1,995,000	678,000
1982.....	156,000	1,134,000	2,717,000	428,000	1,632,000	779,000
1983.....	113,000	1,218,000	3,906,000	620,000	2,053,000	854,000
1984.....	264,000	1,601,000	3,744,000	942,000	2,256,000	812,000
1985.....	16,500	806,000	2,682,000	1,273,000	1,959,000	766,000
1986.....	31,000	518,000	2,890,000	1,104,000	1,910,000	819,000
1987.....	96,000	616,000	3,147,000	1,260,000	2,309,000	806,000
1988.....	90,000	775,000	3,458,000	576,000	3,373,000	817,000
1989 ²	134,000	847,000	2,475,000	374,000	3,548,000	816,000

¹ Excludes greenhouse-grown vegetables. ² Preliminary.
National Agricultural Statistics Service.

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